CASSETTE RECEIVER WITH GE & CD PLAYER

RXD-26/26L

SERVICE MANUAL

KENWOOD

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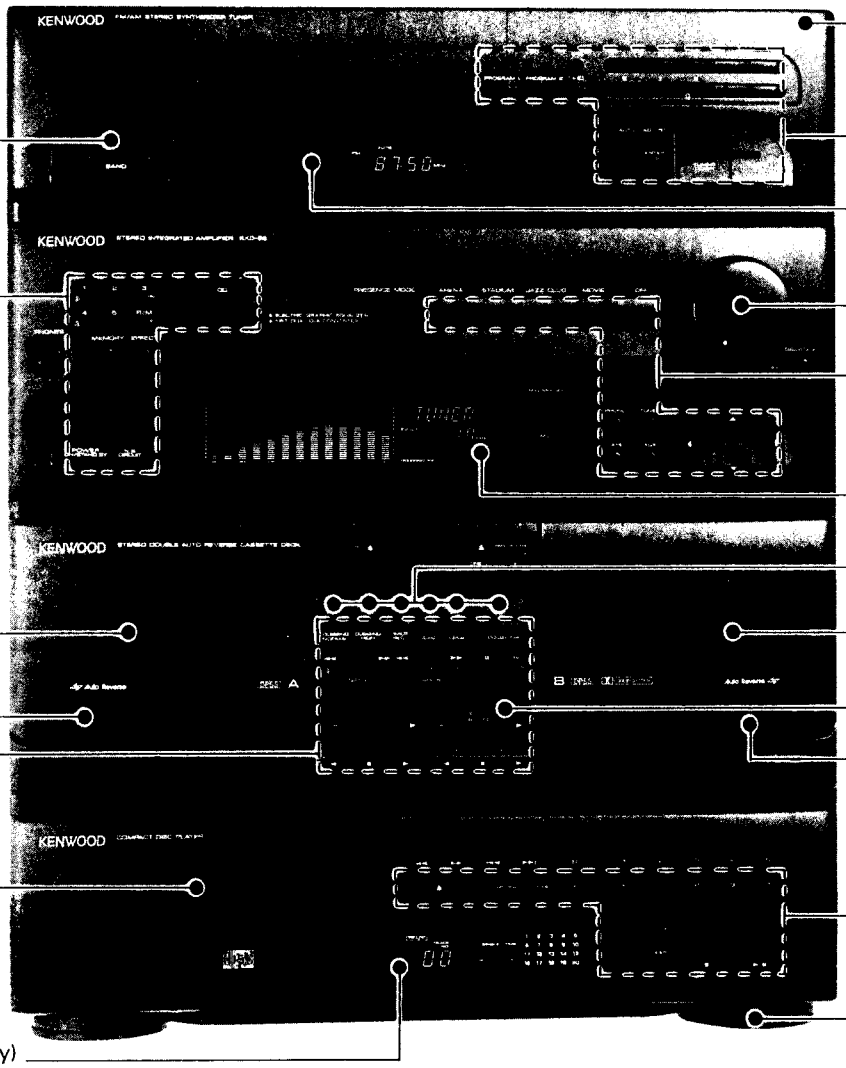

RXD-26 : Y, M, X type
RXD-26L : T, E type

Refer to the FEATURES AND SERVICING NOTES on page 2 before repair.

***Refer to parts list on page 79.**

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

In complicance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety

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FEATURES AND SERVICING NOTES

• The features of, and servicing notes for the MIDI system are described below.

(1) The tuner, amplifier, GE, decks and CD blocks are integrated, so pay attention to the following wiring layout of the decks and CD blocks :

- Separate the 6-wire cable of connector CN7 (+B) and WH1 on the CD unit (X32-).
- Separate the wires for connector CN2 from the wires for connector CN3 on the CD unit (X32-) in accordance with first wiring pattern.
- The lead wires of cassette decks, the WH1 lead wires that are connected from the X28- unit to the X25- (B/2) unit, and the WH3 lead wires that are connected from the X32- unit to the X25- (A/2) unit must be kept apart from the volume control unit (X14-, B/5) and the MIC unit (X14-, D/5).
- The secondary wirings of power transformer must be kept apart from the Dolby IC (iC20) on the X28- unit and the 13 parallel lead wires that are connected from the volume control unit (X14-, B/5) to the main unit (X09-, CN4).

(2) To listen to a selector other than the deck and CD blocks using a timer, remove the cassette tape and CD disc.

(3) A TIMER PLAY key is not provided on the deck block. The TIMER PLAY mode can be entered when the TIMER REC LED indicator is not on.

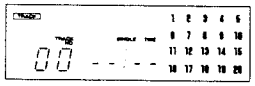
(4) The microprocessor is powered, if the power cord is connected to an AC outlet. When soldering and replacing parts, disconnect the power cord from the outlet.

(5) The CD mechanism has no transport screw. During unit transport or movement, return the mechanism to the initial setting before switching the power OFF.

Note related to transportation and movement

When this unit is to be transported or shifted, carry out the following procedure. (for protection of the internal mechanism)

1. **Turn the power ON without putting a disc in the unit.**
2. **Wait several seconds, and check that the display shown below appears.**



3. **Turn the power OFF.**

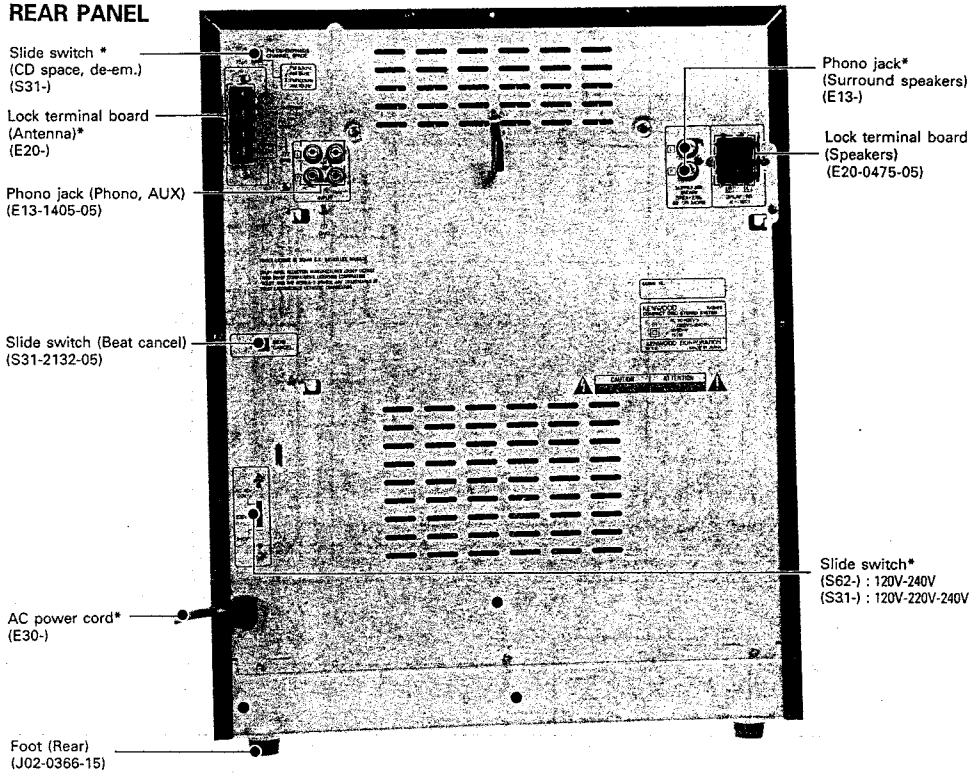
(6) Recording on metal tapes cannot be carried out.

Note : Refer to RXD-25/25L service manual, if need description about item of table.

Item		Reference service manual	Reference page
CIRCUIT DESCRIPTION	CD SECTION TEST MODE	RXD-25/25L	P22~27
	μPD75212ACW-157 (X32-, IC15)		P28, 29
	CXA1081S (X32-, IC1)		P30, 31
	CXA1244S (X32-, IC2)		P32, 33
	CXD1167Q (X32-, IC3)		P34~36
	TC9237B (X32-, IC11)	DP-M7730/M6630/M991	P25, 26
	DECK SECTION TEST MODE	RXD-25/25L	P39~45
MECHANISM DESCRIPTION	CD MECHANISM	RXD-25/25L	P72~74
	DECK MECHANISM	X-722	P19~27

REAR PANEL/ACCESSORIES

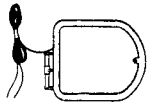
REAR PANEL



*Refer to parts list on page 79.

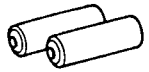
ACCESSORIES

- AM (MW, LW) loop antenna (T90-0174-05) 1

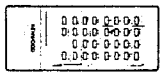


- FM indoor antenna (T90-0175-05) 1

- Batteries (R03/AAA) (–) 2

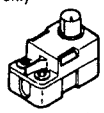


- Remote control unit (A70-0572-05) 1

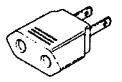


- Loop antenna stand (J19-2815-04) 1

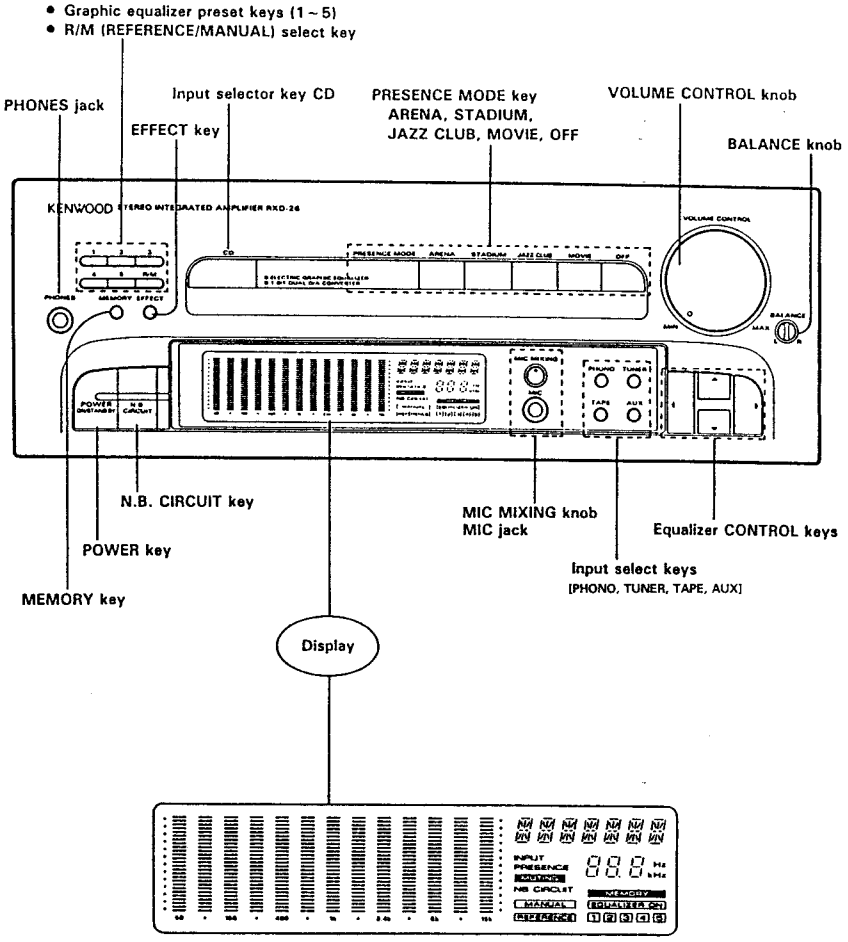
- Antenna adaptor (75Ω/300Ω) (T90-0177-05) 1
M-26 only



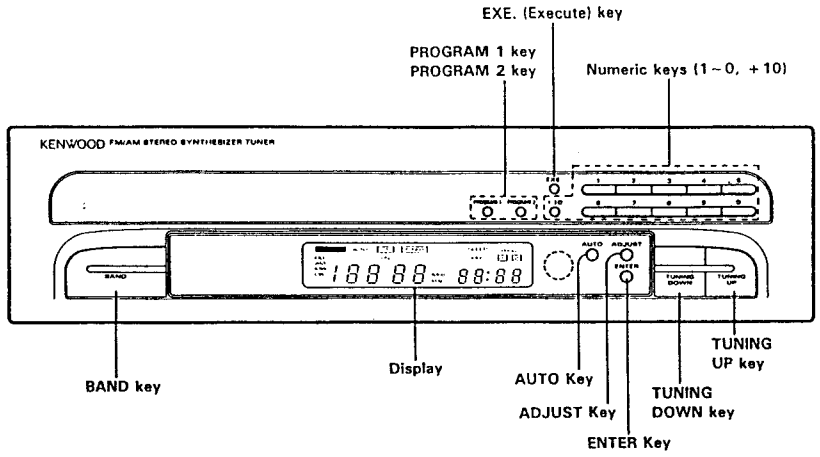
- AC plug adaptor (E03-0115-05) 1
(Except for some areas)



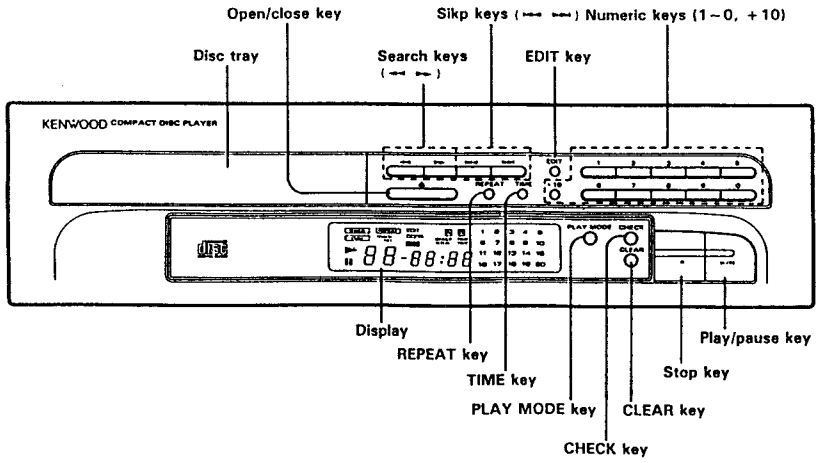
■ Amplifier



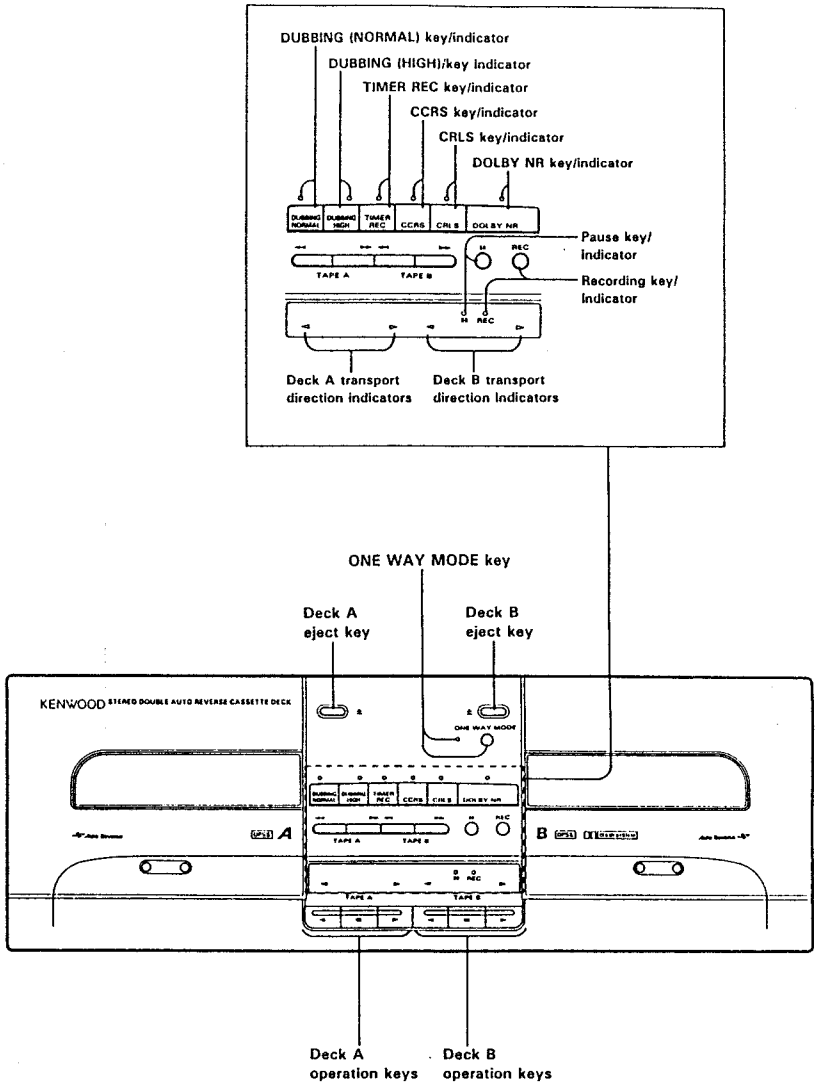
■ Tuner

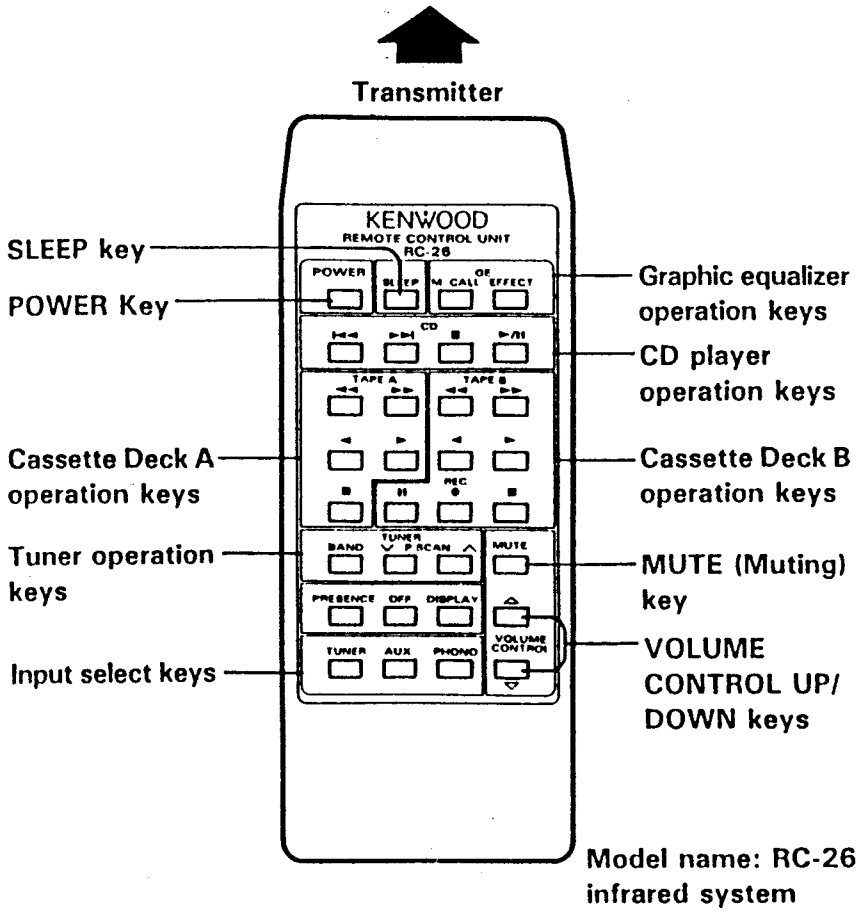


■ CD player



■ Cassette deck

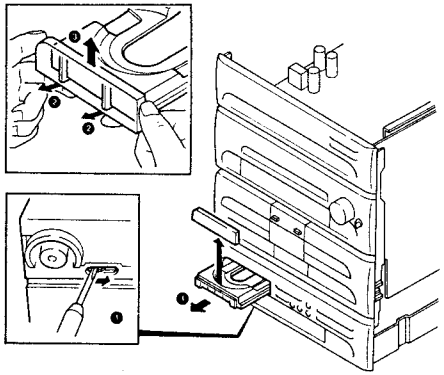




DISASSEMBLY FOR REPAIR

1. Removing the CD tray face plate

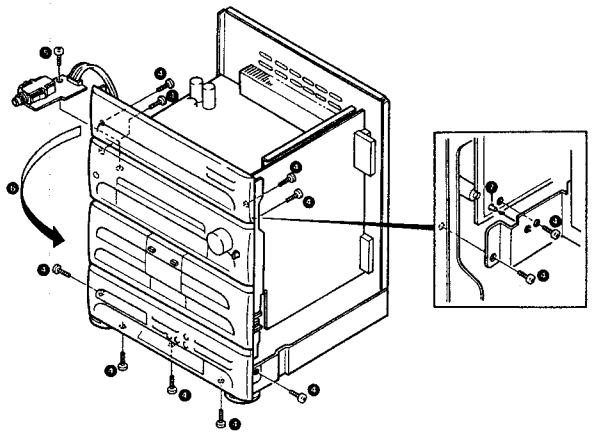
1. Pull the CD tray forward (with the power off, insert a screwdriver through the bottom when the CD tray is pulled out) (❶).
2. To remove the tray face plate, unlock the two hooks (❷), lift the tray face plate (❸), and remove it, as shown in the figure.



2. Removing the front panel

3. Remove the nine screws from the front panel (❹).
4. Remove the one screw, then remove the phones unit (❺).
5. Open the left side of front panel to 60°, then check each unit (❻).

Note : When installing the front panel, insert the boss of the front panel in the chassis, as described in (❼).



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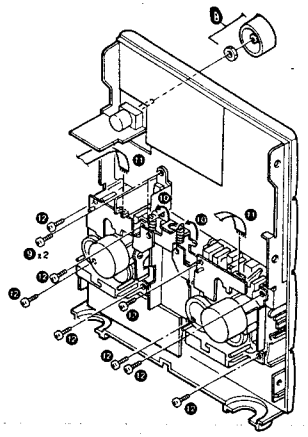
DISASSEMBLY FOR REPAIR

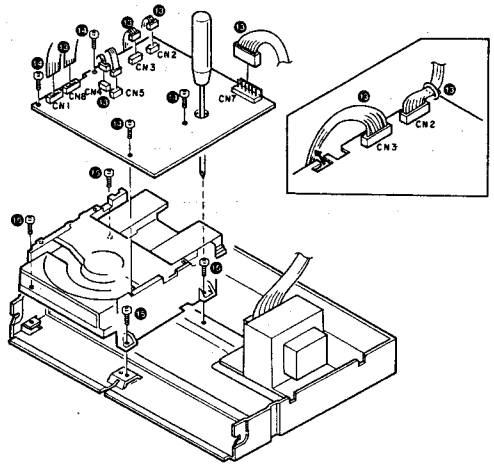
3. Removing the volume unit, the MIC unit, and the cassette mechanisms

6. Removing the volume knob and nut (❽), then remove the volume unit.
7. Remove the two screws (❾), then remove the MIC unit.
8. Remove the two springs (❿), and disconnect the two wires (⓫).
9. Remove the eight screws, then remove the cassette mechanisms (⓬).



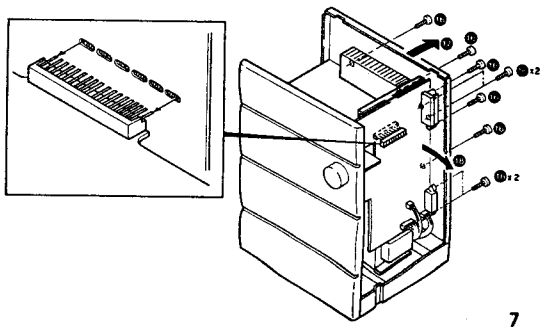
4. Removing the CD mechanism

10. After open the left side of front panel, disconnect the connector (⓭).
11. Remove the four screws (⓮), then remove the CD unit.
12. Remove the four screws (⓯), then remove the CD mechanism.



5. Removing the DECK, TUNER unit (X28-)

13. Remove the nine screws (⓰).
14. While pressing the rear panel in the direction of arrow (⓱), remove the DECK, TUNER unit (X28-) (⓲).



Note : When installing the DECK, TUNER unit (X28-), insert the pins of connector through the orifices of unit.

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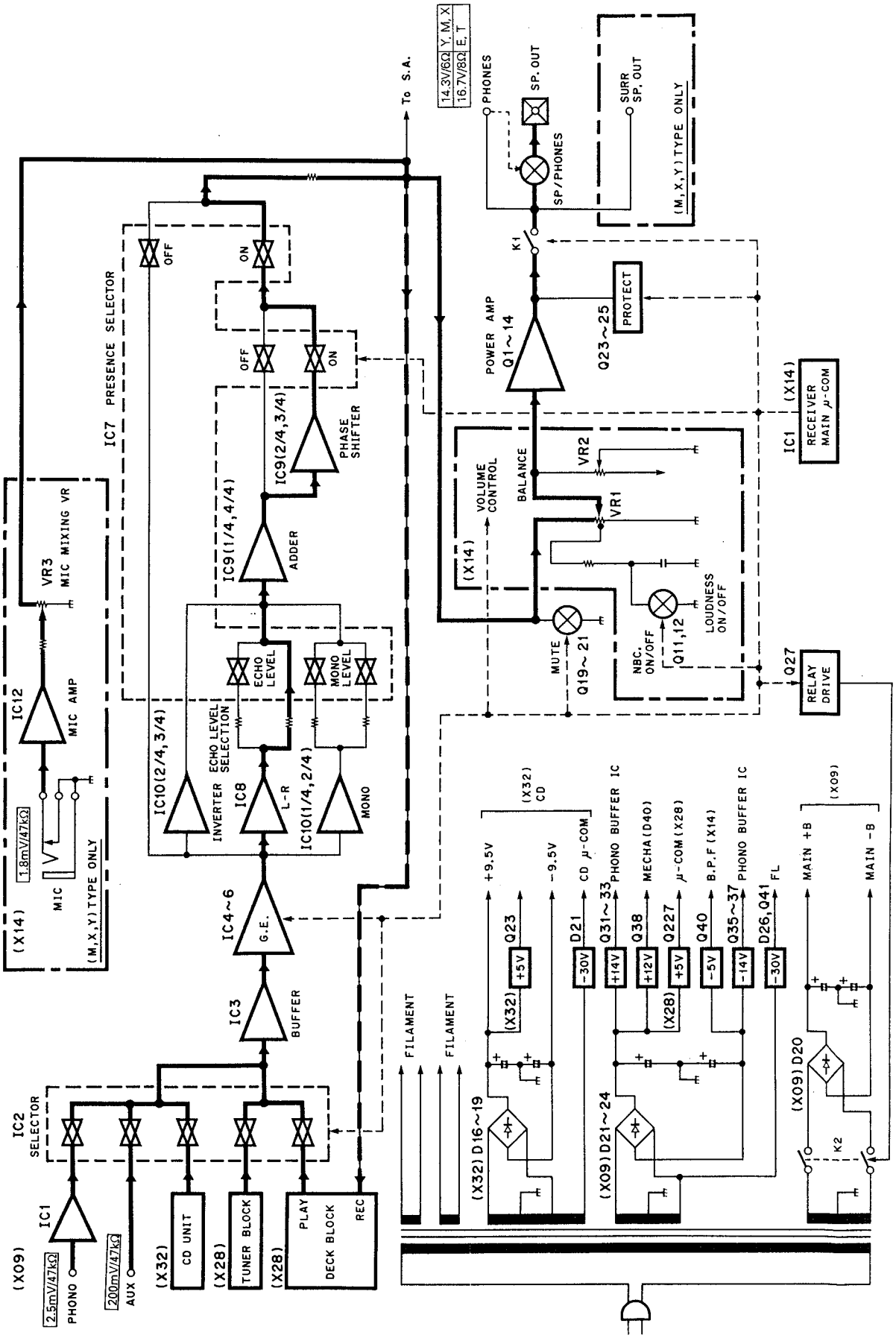
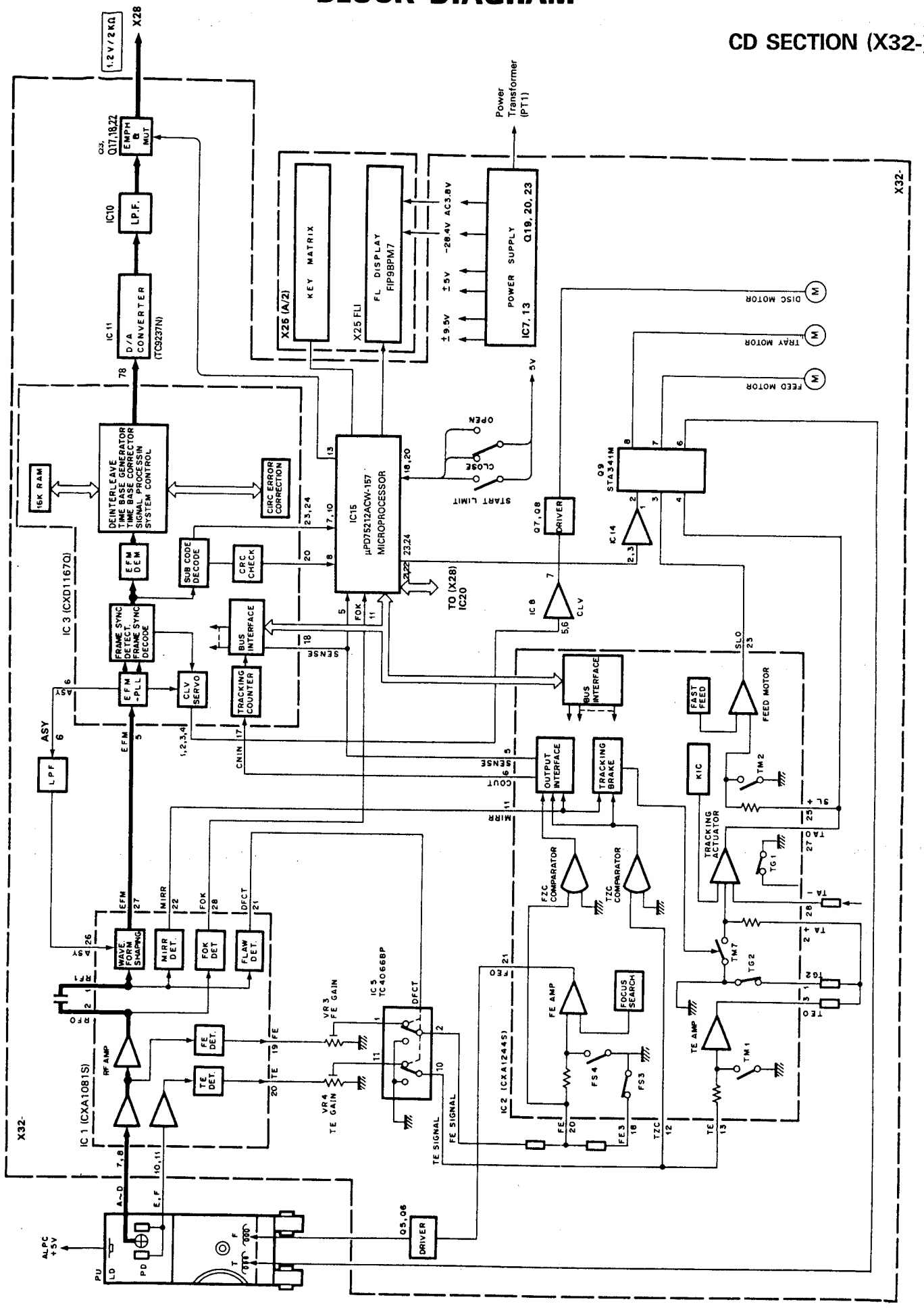
BLOCK DIAGRAM

AMP SECTION



BLOCK DIAGRAM

CD SECTION (X32-)



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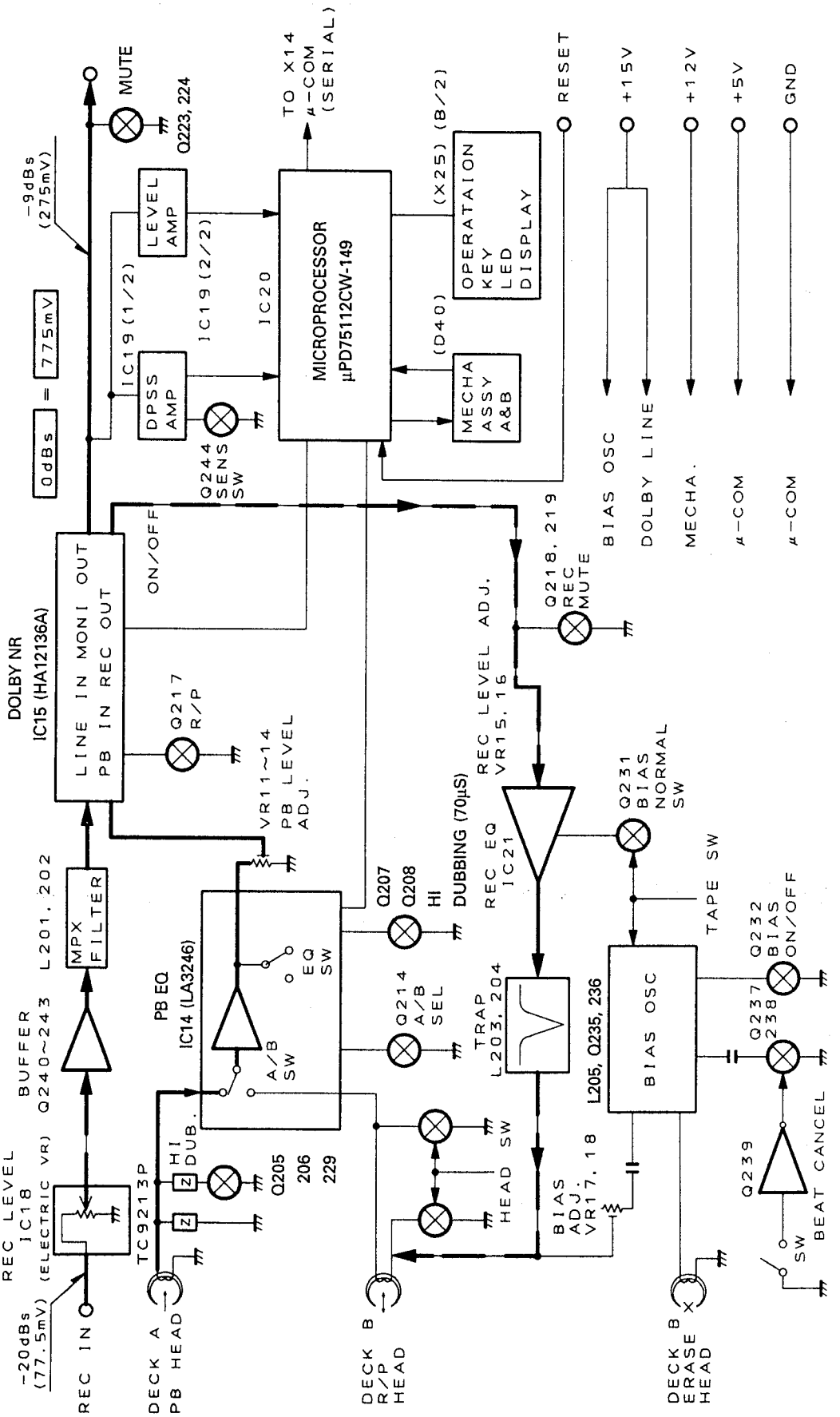
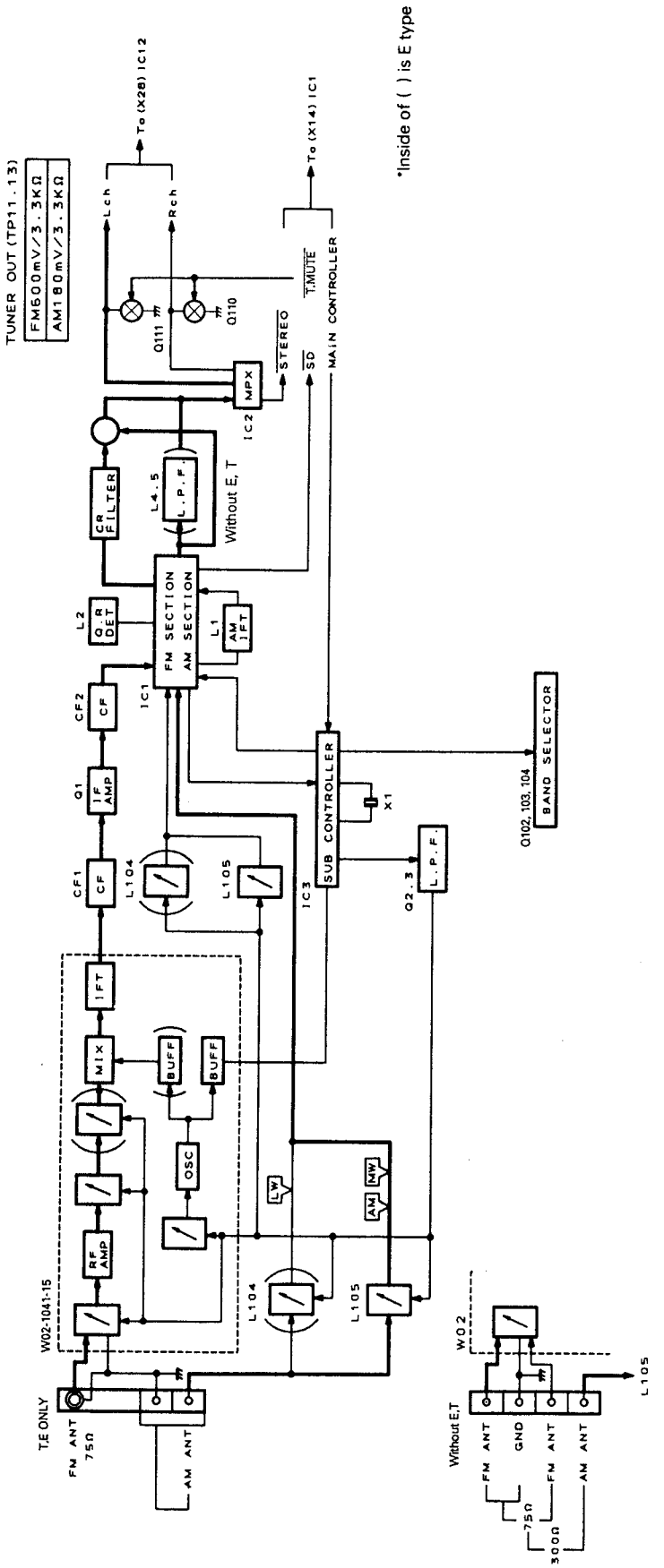
BLOCK DIAGRAM

DECK SECTION (X28-)



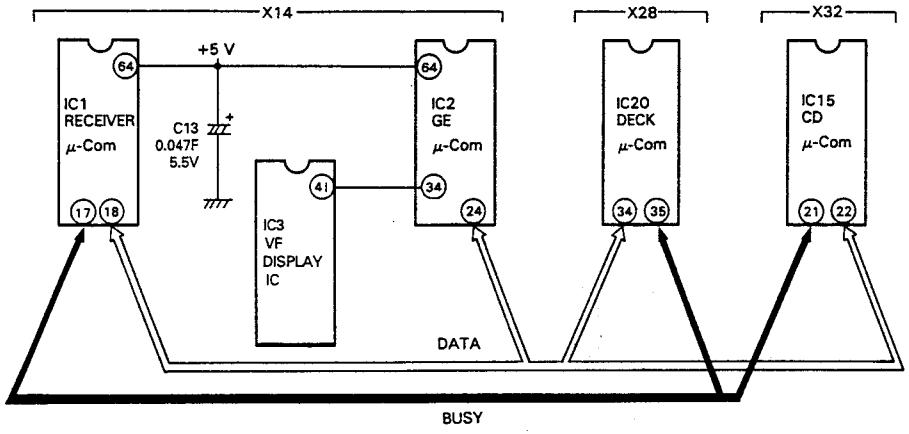
BLOCK DIAGRAM

TUNER SECTION (X28-)



CIRCUIT DESCRIPTION

1. Microprocessor



μPD75212ACW-A20 M50940-345SP μPD75112CW-149 μPD75212ACW-157

An internal 8-bit system control sync code is used during operation.

Microprocessor Initialization and Test Mode

		Receiver microprocessor (X14-) IC1	GE microprocessor (X14-) IC2	Deck microprocessor (X28-) IC20	CD microprocessor (X32-) IC15
	Backup capacitor	• C13 on X14- board (0.047F, 5V) (Backup time of more than 3 days. Can actually provide backup for 1 week).		–	–
	Initialize setting	• Connect the power cord while pressing the selector PRESENCE OFF key.		When the power cord is disconnected, then connected again.	
TEST MODE	Operation	• All FL and LED indicators go on.			
	Setting	• Connect the power cord while pressing the selector TUNER key.			
	Canceling	• Press the selector PHONO key when all indicators go on with the power switched on.			
	Operation	• Refer to page 24.	(1) VOL UP, DOWN (2) PRESET calling (3) Equalizer test pattern	• Refer to the RXD-25/25L service manual. (Fixed selector AUX).	• Refer to the RXD-25/25L service manual.
	Setting	(1) Press the selector TAPE key (Motor volume test). (2) Pressing the preset +10 key (Preset channel test). (3) Pressing the M1, M2 and M3 key. (Equalizer test pattern)		• Connect the power cord while pressing the selector TAPE key.	• Connect the power cord while pressing the selector CD key.
	Canceling	• Disconnect the power cord.		(1) Set the POWER key to ON or OFF. (2) Press the other selector keys.	
		–		(3) Set the CD in the PLAY mode.	(3) Set the deck in the PLAY mode.
		–		(4) When the power cord is disconnected, then connected again (initialization).	

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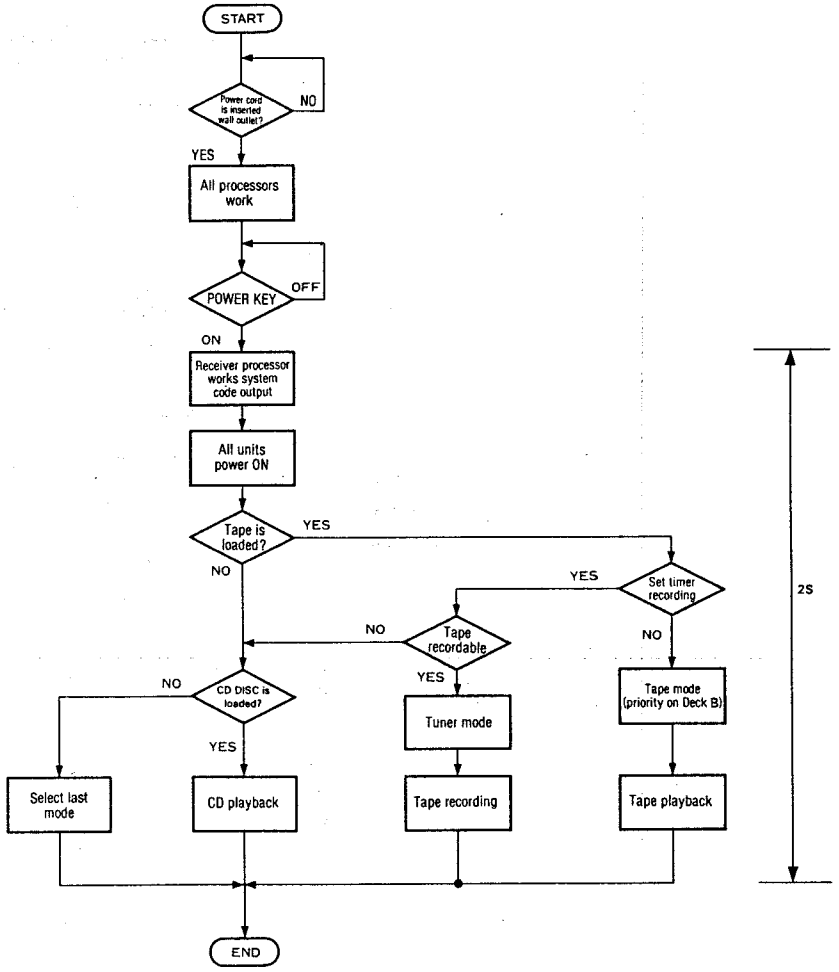
CIRCUIT DESCRIPTION

2. Flow Chart of Playback after Power on



When set the last-mode timer playback (except Deck and CD player) don't load the cassette tape and compact disc.

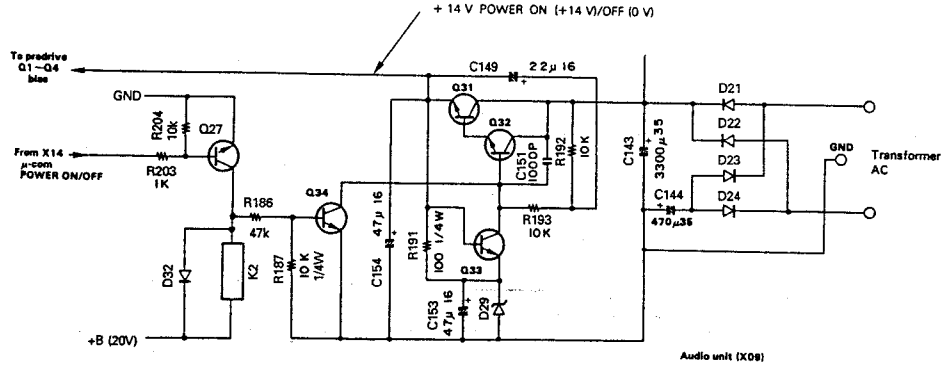
3. POWER ON/OFF circuit

For remote control operation, a remote controller incorporating a small transformer was previously used for the drive microprocessor power by using a power relay.
The primary winding of a large transformer conducts, and all voltages appear on its secondary winding. The +14 V power output at Q34 is switched ON and OFF by the POWER ON/OFF circuit, and the +14 V power current is blocked. This +14 V current is used for bias in the initial stage, so the currents of class A predrivers Q1 through Q4 become zero. Therefore, the final-stage bias current also becomes zero.

- **All voltages other than +14 V are applied on the secondary winding, but the current is blocked to prevent heat generation.**

The voltage is applied unless the power cord is disconnected. Be sure to disconnect the power cord before soldering and replacing parts.

[X09]



4. Serial Communication Troubleshooting

4-1. When other devices cannot be activated during receiver operation

Example: When the POWER switch of the cassette receiver is set to ON, the amplifier is switched ON, but the tuner is not switched ON (with the timer displayed).

Description Even if the receiver operates, other devices are not activated as follows:
(1) Only the specified device cannot be activated, and other devices are easy to operate.
(2) The receiver can operate, but other devices are not activated. When other devices are set in the PLAY mode, the receiver input is activated with them.
(3) No device can be activated during receiver operation.

Possible cause
- For step (1), the specified device or the serial code connected to the device is defective.
- For step (2), the receiver serial output related block is defective.
- For step (3), the receiver serial input or output is defective, or no data voltage appears because the data line of same device is connected to ground or some device cannot output because a BUSY line is connected or the +B (5 V) terminal.

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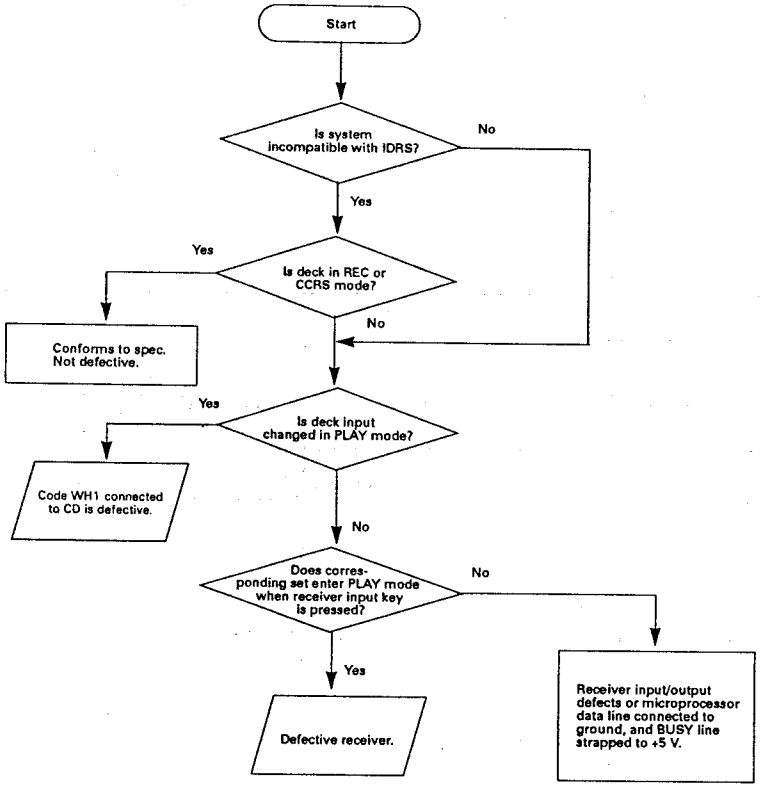
CIRCUIT DESCRIPTION

4-2. The receiver input selector is inoperative even if devices other than the receiver are set in the PLAY mode

Example When the CD player is set in the PLAY mode, the receiver input selector cannot be set to CD.


Start
Is system incompatible with IDRS?
No
Yes
Yes
Is deck in REC or CCRS mode?
No
Conforms to spec. Not defective.
Yes
Is deck input changed in PLAY mode?
Code WH1 connected to CD is defective.
No
Does corresponding set enter PLAY mode when receiver input key is pressed?
No
Yes
Defective receiver.
Receiver input/output defects or microprocessor data line connected to ground, and BUSY line strapped to +5 V.

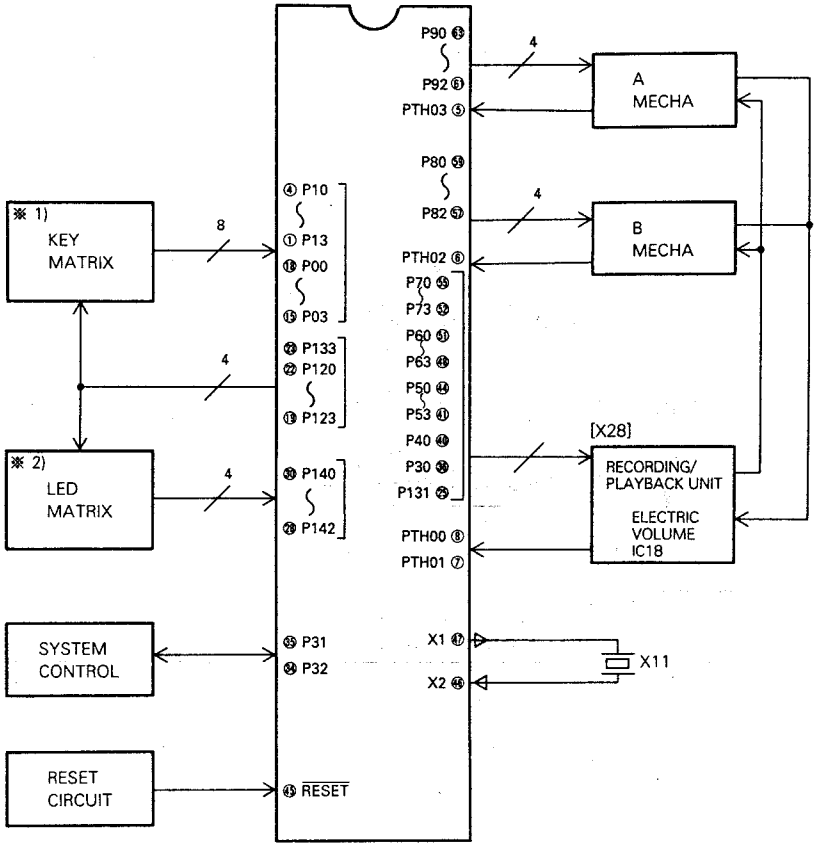
Description
The trouble above is also classified into the following:
(1) Only the specified device cannot be activated, and other devices are easy to operate.
(2) If other device's selector or play key is pressed, Amplifier's selector doesn't change (no output).
(3) No device can be activated.

Possible cause
For step (1), the specified device is defective.
For step (2), the receiver serial input is defective.
For step (3), same as in (3) of the preceding item.

CIRCUIT DESCRIPTION

5. Microprocessor : μPD75112CW-149 (X28- : IC20)

5-1. Terminal connection diagram



5-2. Key matrix (*1)

PIN No. of IC20		㉒	㉑	⑳	⑲	㉓
		KS1	KS2	KS3	KS4	KS5
④	KR1	ONEWAY	T. REC	B CrO_2	B ◀◀	NDUB
③	KR2	A ▶	A ▶▶	B ●	B ◀	HDUB
②	KR3	A ◀	DOLBY	B ▮▮	B ▶▶	CCRS
①	KR4	A ■	A ◀◀	B ■	B ▶	CRLS
⑱	KR5	A PLAY	—	B PLAY	—	TEST 1
⑰	KR6	A PACK	—	B PACK	—	TEST 2
⑯	KR7	A CrO_2	—	INHFB	—	—
⑮	KR8	—	—	INHRB	—	—

5-3. LED matrix (*2)

PIN No. of IC20		㉒	㉑	⑳	⑲	㉓
		KS1	KS2	KS3	KS4	KS5
㉚	LED1	DOLBY	NDUB	HDUB	CRLS	CCRS
㉙	LED2	T. REC	PAUSE	REC	B FWD	ONEWAY
㉘	LED3	A RVS	A FWD	B RVS	—	—

DECK

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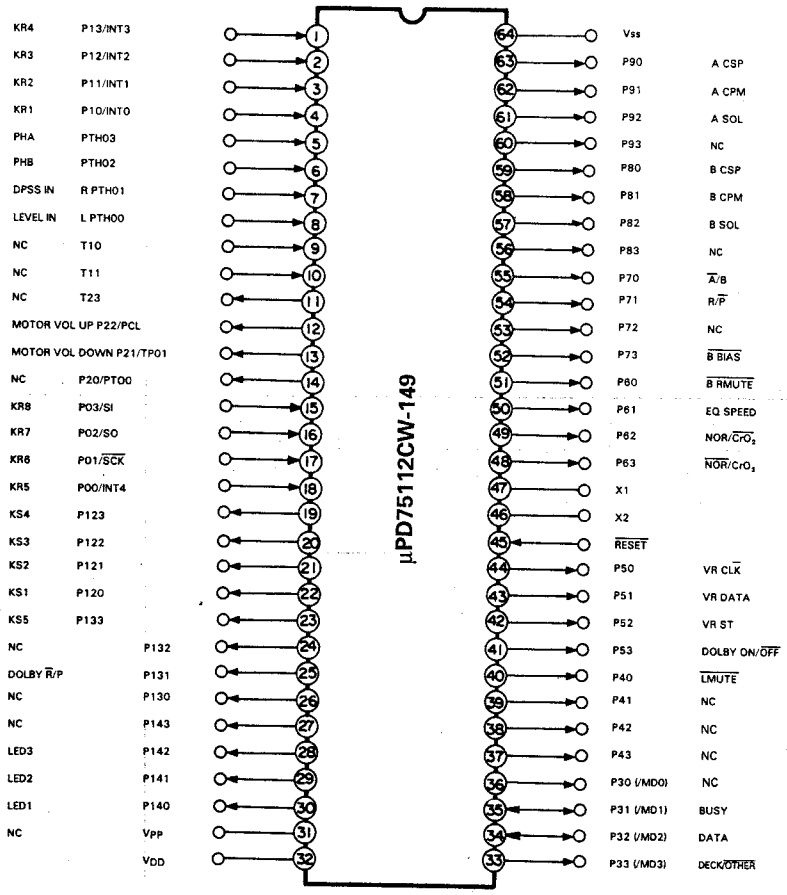
CIRCUIT DESCRIPTION

DECK

5-4. Pin connection



DECK

5-5. Pin function

Pin No.	Pin name	I/O	Symbol	Function	
1	P13/INT3	I	KR4	Mechanism switch input	H : SW OFF L : SW ON
2	P12/INT2	I	KR3	Mechanism switch input	H : SW OFF L : SW ON
3	P11/INT1	I	KR2	Mechanism switch input	H : SW OFF L : SW ON
4	P10/INT0	I	KR1	Mechanism switch input	H : SW OFF L : SW ON
5	PTH03	I	PHA	Mechanism A rotation detection sensor input	
6	PTH02	I	PHB	Mechanism B rotation detection sensor input	
7	PTH01	I	DPSS IN	Section-between-tunes signal input	H : With tune L : Without tune
8	PTH00	I	LEVEL IN	CCRS, meter signal input	
9	TI0	I	NC	No use (GND)	
10	TI1	I	NC	No use (GND)	
11	P23	O	NC	No use (GND)	
12	P22/PCL	O	NC	No use	
13	P21/PTO1	O	NC	No use	
14	P20/PTO0	O	NC	No use (OPEN)	
15	P03/SI	I	KR8	Mechanism switch input (key return input L : SW ON).	
16	P02/SO	I	KR7	Mechanism switch input (key return input L : SW ON).	
17	P01/SCK	I	KR6	Mechanism switch input (key return input L : SW ON).	
18	P00/INT4	I	KR5	Mechanism switch input (key return input L : SW ON).	H : Reception OK L : Reception NG
19	P123	O	KS4	Slave microprocessor reset output (key scan output)	H : Reset L : Normal
20	P122	O	KS3	Mechanism switch output	H : OFF L : Scan
21	P121	O	KS2	Mechanism switch scan output	H : OFF L : Scan
22	P120	O	KS1	Mechanism switch scan output	H : OFF L : Scan
23	P133	O	KS5	Mechanism switch scan output	H : OFF L : Scan
24	P132	O	NC	No use (OPEN)	
25	P131	O	DOLBY R/P	Dolby R/P selection	H : PLAY L : REC
26	P130	O	NC	No use (OPEN)	
27	P143	O	NC	No use (OPEN)	
28	P142	O	LED 3	LED control	H : ON L : OFF
29	P141	O	LED 2	LED control	H : ON L : OFF
30	P140	O	LED 1	LED control	H : ON L : OFF
31	V_{PP}	—	NC	No use	
32	V_{DD}	—	V_{DD}	Connected to +5 V.	H : OFF L : ON
33	P33	O	DECK/OTHER	Deck mute control	L : ON

DECK

Pin No.	Pin name	I/O	Symbol	Function	
34	P32	I/O	DATA	System control Signal I/O (DATA)	
35	P31	I/O	BUSY	System control signal I/O (BUSY)	
36	P30	O	NC	No use	
37	P43	O	NC	No use	
38	P42	O	NC	No use	
39	P41	O	NC	No use (OPEN)	
40	P40	O	$\overline{\text{LMUTE}}$	Line mute control	H : OFF L : ON
41	P53	O	DOLBY ON/OFF	DOLBY ON/OFF control	H : ON L : OFF
42	P52	O	VR ST	Electronic volume strobe signal output	
43	P51	O	VR DATA	Electronic volume serial data output	
44	P50	O	VRCLK	Electronic volume serial clock	
45	$\overline{\text{RESET}}$	I	$\overline{\text{RESET}}$	Reset input	H : Normal L : Reset
46	X2	O	—	Ceramic OSC connection pin	f=4.19 MHz
47	X1	I	—	Ceramic OSC connection pin	f=4.19 MHz
48	P63	O	$\overline{\text{NOR}}/\text{CrO}_2$	NOR/CrO_2 selection	L : NORMAL H : CrO_2
49	P62	O	$\text{NOR}/\overline{\text{CrO}_2}$	NOR/CrO_2 selection	H : NORMAL L : CrO_2
50	P61	O	EQ SPEED	Deck B EQ control	H : High speed L : Normal
51	P60	O	$\overline{\text{BR MUTE}}$	Deck B recording mute control	H : OFF L : ON
52	P73	O	$\overline{\text{B BIAS}}$	Deck B bias ON/OFF	H : OFF L : ON
53	P72	O	NC	No use (OPEN)	
54	P71	O	R/$\overline{\text{P}}$	Deck B R/P selection	H : REC L : PLAY
55	P70	O	$\overline{\text{A}}$/B	Playback EQ A/B selection	H : B L : A
56	P83	O		No used	
57	P82	O	SOLB	Deck B solenoid control	H : Play or recording L : Others
58	P81	O	CPMB	Deck B capstan motor control	H : ON L : OFF
59	P80	O	CSPB	Deck B capstan motor speed control	H : Normal speed L : High speed
60	P93	O		No used	
61	P92	O	SOLA	Deck A solenoid control	H : ON L : OFF
62	P91	O	CPMA	Deck A capstan motor control	H : ON L : OFF
63	P90	O	CSPA	Deck A capstan motor speed control	H : Normal speed L : High speed
64	V_{SS}	—	V_{SS}	Connected to GND.	

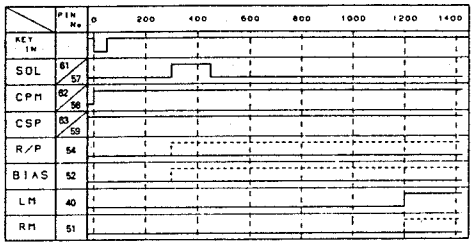
DECK

RXD-26/26L

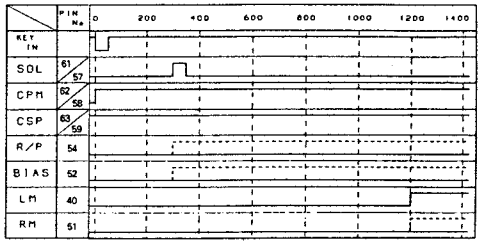
CIRCUIT DESCRIPTION

5-6. Timing chart

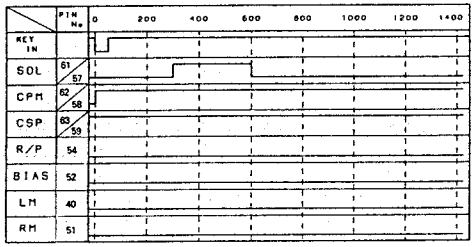
STOP TO FWD PLAY/REC(---)



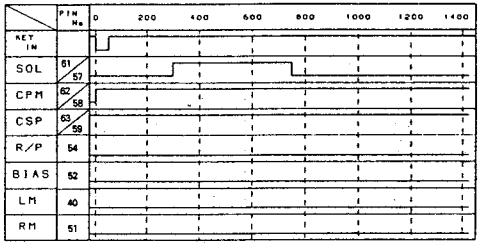
STOP TO RVS PLAY/REC(---)



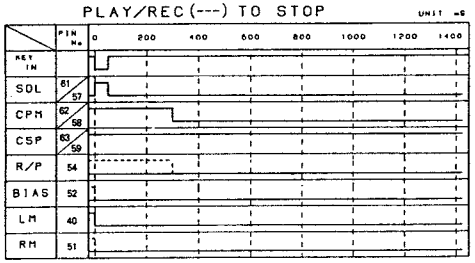
STOP TO FF



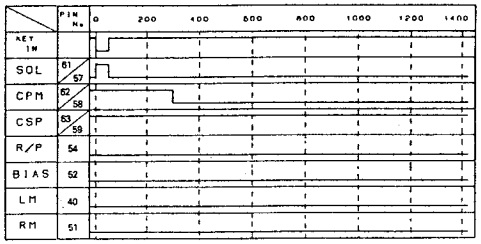
STOP TO RWD



PLAY/REC(---) TO STOP

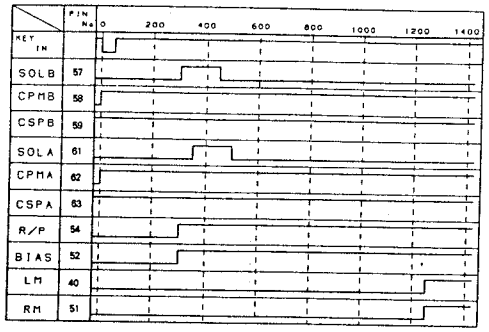


FF/RWD/CUE/RVW TO STOP

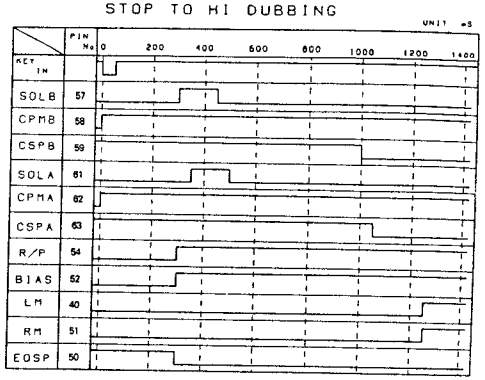


DECK

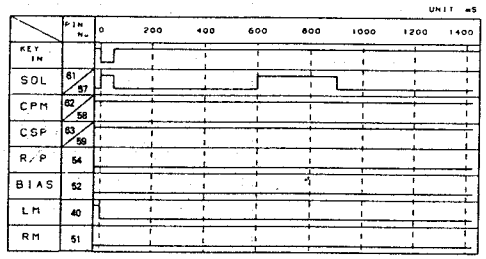
STOP TO NOR DUBBING



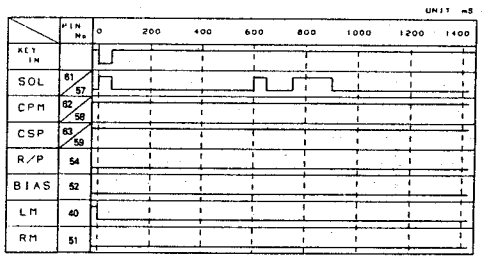
STOP TO HI DUBBING



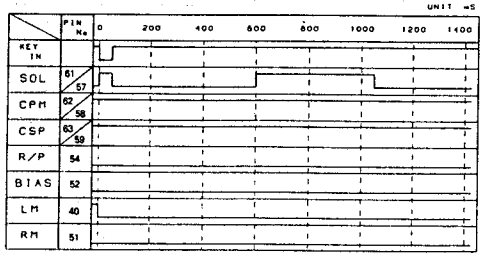
FWD PLAY TO CUE



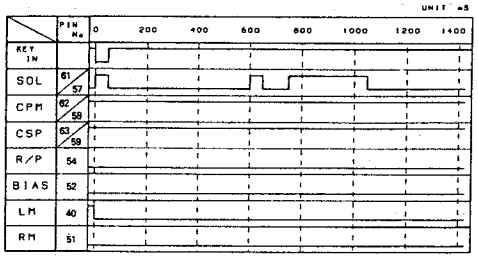
RVS PLAY TO CUE



FWD PLAY TO REVEW



RVS PLAY TO REVEW



DECK

RXD-26/26L
CIRCUIT DESCRIPTION

6. Conditions by Description

Destination type		Destination switches (DSW) DSW3	DSW2	DSW1	DSW0	Band	Receiving frequency range	Inter-channel space	Intermediate frequency	PLL reference frequency	PLL (LM7001) output port ⑦	⑧	⑨
RXD-26	M, Y	0	0 or 1	0	0	FM	87.5~108.0MHz	50kHz/100kHz	+10.7MHz	50kHz	H	H	L
						AM	531~1602kHz /530~1610kHz	9kHz/10kHz	+450kHz	10kHz	H	L	H
	K, P	0	1	1	0	FM	87.5~108.0MHz	100kHz	+10.7MHz	50kHz	H	H	L
						AM	530~1700kHz	10kHz	+450kHz	10kHz	H	L	H
	X	0	0	0	0	FM	87.5~108.0MHz	50kHz	+10.7MHz	50kHz	H	H	L
						AM	531~1602kHz	9kHz	+450kHz	9kHz	H	L	H
RXD-26L	T, E	0	0	0	1	FM	87.5~108.0MHz	50kHz	+10.7MHz	50kHz	H	H	L
						MW	531~1602kHz	9kHz	+450kHz	9kHz	H	L	H
						LW	153~281kHz	1kHz	+450kHz	1kHz	L	L	H

0 : Without diode
1 : With diode

7. Initial Stage

	State	
POWER	OFF	
AMP section	INPUT	TUNER
	PRESET	OFF
	MUTE	OFF
	NBC	OFF
TUNER section	BAND	FM
	Receiving frequency	87.5MHz
	TUNING MODE	AUTO
	Last Preset	-- CH
	Preset state	Test frequency
TIMER section	Cloc.	0:00
	Timer program (1) and (2)	ON 0:00
		OFF 0:00
	PCH	01CH
	Execution mode	Non-excution
GE section	Effect	OFF
	MANU/REFE	REFERENCE
	GE pattern	FLAT

7-1. Initial state Setting

The initial state is set in the following cases :
1) When the backup memory is erased.
2) When the AC plug is inserted into the wall outlet while holding down the PRESENCE OFF.

7-2. Test frequency in initial state

The frequency preset for each channel in the initial state is as shown in the table.

Channel	Y, M, X type	E, T type
1	98.0MHz	98.0MHz
2	108.0MHz	108.0MHz
3	630kHz	630kHz
4	990kHz	990kHz
5	1440kHz	1440kHz
6	1610kHz	1602kHz
7	87.5MHz	162kHz
8	87.5MHz	216kHz
9	87.5MHz	270kHz
10	89.1MHz	89.1MHz
11	87.5MHz	281kHz
12	87.5MHz	87.5MHz
13	87.5MHz	87.5MHz
14	87.5MHz	87.5MHz
15	87.5MHz	87.5MHz
16	87.5MHz	87.5MHz
17	87.5MHz	87.5MHz
18	87.5MHz	87.5MHz
19	87.5MHz	87.5MHz
20	87.5MHz	87.5MHz

RECEIVER, GE

CIRCUIT DESCRIPTION

8. Test Mode (Amplifier / Tuner)

1) Operation

Insert the AC plug into the wall outlet while holding down the selector TUNER key.

2) Cancel

Pull the AC plug out of the wall outlet (reset) when all indicators are lit with the power on.

3) Content

- **Indicators lighting test**

  The power is automatically turned on, and all fluorescent display indicators and LED indicators light.

- **Motor volume test**

  *** Press the PHONO key (lighting cancel)**

  If the DIGIT key is pressed, the volume keeps increasing for 16 seconds, and then keeps decreasing for 16 seconds. To stop the test in the middle, switch the power off.

- **Preset channel calling**

  Normally, the +10 key changes the high-order digits 1-, 2-, and 0-alternately, but it changes the high-order digits 1- and 0- alternately in the test mode. The 0 key does not call any channel, but in the test mode, if the high-order digit is 0, 10ch is called, and if it is 1, 20ch is called. Table 1 lists the channels to be called.

Table 1

High order \ Low order	TEN KEY									
	1	2	3	4	5	6	7	8	9	0
0	1	2	3	4	5	6	7	8	9	10
1	11	12	13	14	15	16	17	18	19	20

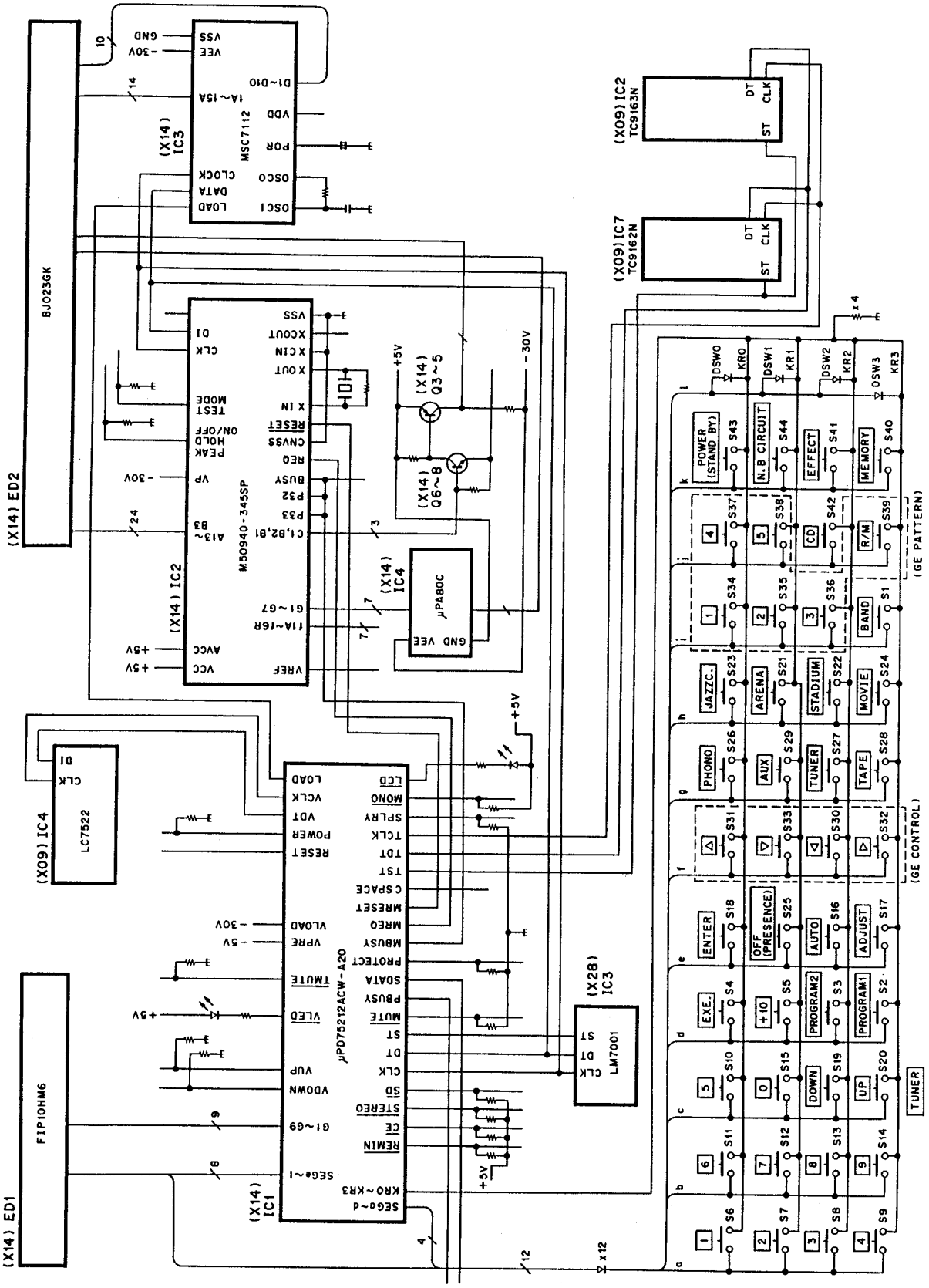
- **Equalizer test pattern**

  MAX segments (+12dB) of all frequency turn on when pressing MI key. FLAT segments (0dB) of all frequency turn on, when pressing M2 key. Min segments (–12dB) of all frequency turn on when pressing M3 key. 3 points (+12dB, 0dB, –12dB) of segments turn on, in all frequency when UP or DOWN key is pressed.

CIRCUIT DESCRIPTION

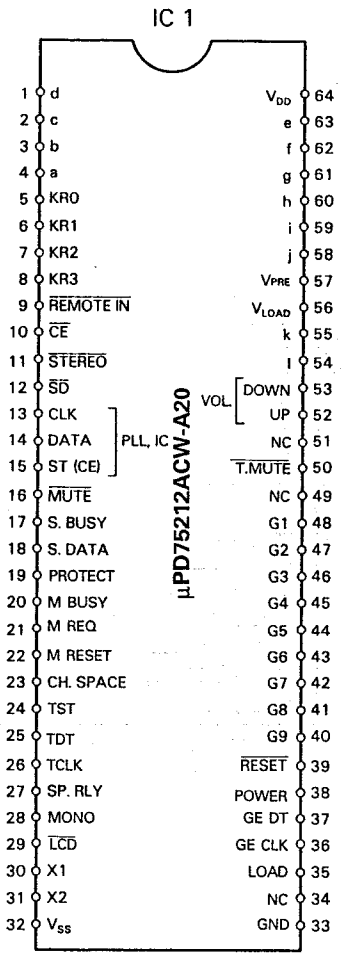
9. Receiver microprocessor : μPD75212ACW-A20 (X14- : IC1)

9-1. Terminal connection diagram



CIRCUIT DESCRIPTION

9-2.Pin connection



CIRCUIT DESCRIPTION

9-3. Pin function

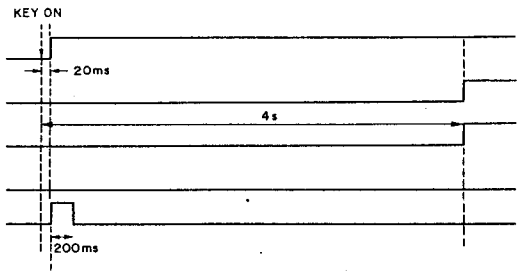
Pin No.	Pin name	I/O	Name	Description
1~4	S3~0	O	d~a	d~a segment drive/key scan.
5~8	P00~03	I	KR0~3	Key-matrix, key return input.
9	P10		REMIN	Remote control input.
10	P11		CE	Backup detection (L : BACKUP).
11	P12		STEREO	Stereo broadcast detection (L : STEREO).
12	P13		SD	Station detection (L : STATION).
13	P20	O	CLK	Control PLL IC (LM7001) clock.
14	P21		DATA	Control PLL IC (LM7001) data.
15	P22		ST	Control PLL IC (LM7001) strobe.
16	P23		MUTE	Mute signal out (L : MUTE ON).
17	P30	I/O	BUSY	System control signal input/output (BUSY).
18	P31		SDATA	System control signal input/output (DATA).
19	P32	I	PROTECT	Protection signal input (H : PROTECTION).
20	P33		MBUSY	GE μ-com (M50940) BUSY input.
21	P60	O	MREQ	GE μ-com (M50940) DATA REQUEST output.
22	P61		MRESET	GE μ-com (M50940) RESET (L to H : RESET).
23	P62	I	CH-SPACE	Institite "Channel space" (FM L : 100k, H : 50k).
24	P63	O	TST	Strobe for TC9162/TC9163.
25	P40		TDT	Data for TC9162/TC9163 (H : Power ON).
26	P41		TCLK	Clock for TC9162/TC9163.
27	P42		SPRLY	Control output relay (H : Relay ON).
28	P43		MONO	Monoral control (H : Mono).
29	PPO	-		Not used (Open).
30, 31	X1, 2	I, O		System clock oscillation (crystal 4.194303MHz).
32	VSS	-		Power supply (GND).
33, 34	XT1, 2	I, O		Not used (XT1 : GND, XT2 : Open).
35	P50	O	LOAD	Strobe for MSC7112.
36	P51		GECLK	Clock for NJU7305L.
37	P52		GEDT	Data for NJU7305L.
38	P53		POWER	Power relay control.
39	RESET	-	-	Reset (L : RESET).
40~48	T0~8	O	9G~1G	Grid control (9G~1G).
49	T9		-	Not used.
50	PH3		TMUTE	Tuner mute signal out (L : MUTE ON).
51	PH2		-	Not used (Open).
52	PH1		VOL UP	Electrically driven volume control (H : VOL UP).
53	PH0		VOL DOWN	Electrically driven volume control (H : VOL DOWN).
54	S11		l	l-segment drive.
55	S10		k	k-segment drive/key scan.
56	VLOAD	-	-	Pull-down for FL (-30V).
57	VPRE			Predriver for FL.
58~63	S9~S4	O	j~e	j~e segment drive/key scan.
64	VDD	-	-	Power supply (+5V).

CIRCUIT DESCRIPTION

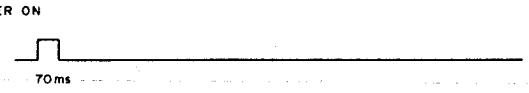
9-4. Timing chart

(1) POWER ON

i) KEY POWER ON

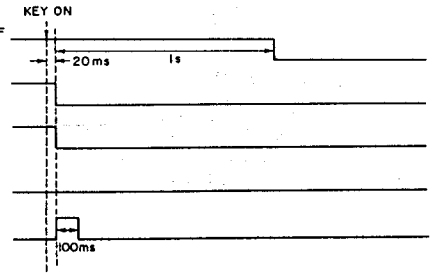


ii) REMOCON POWER ON

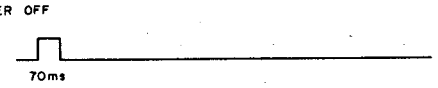


(2) POWER OFF

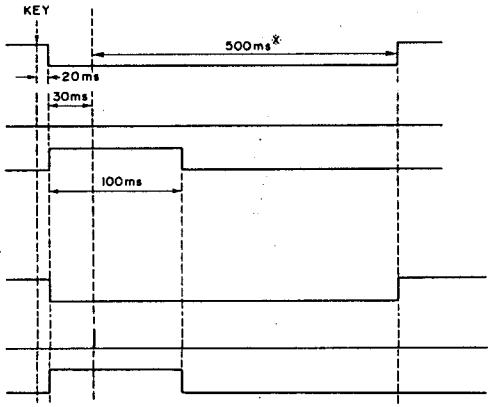
i) KEY POWER OFF



ii) REMOCON POWER OFF



(3) SELECTOR CHANGE



(4) PRESET CH CALL

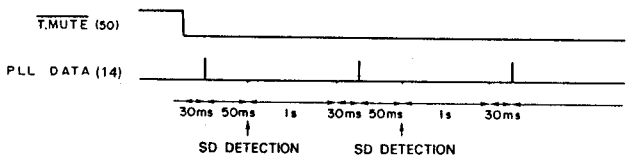
RECEIVER, GE

RXD-26/26L

CIRCUIT DESCRIPTION

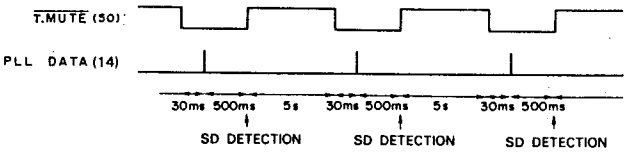
(5) PRESET CH. SCAN

i) No station

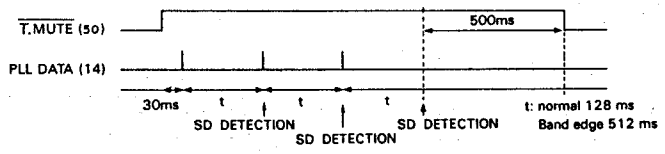


*Don't detect SD signal in non-TUNER mode.

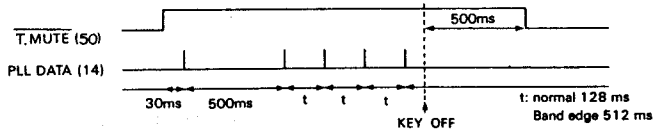
ii) Station



(6) AUTO TUNING



(7) MANUAL TUNING

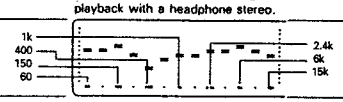
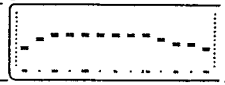
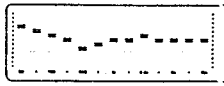
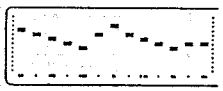
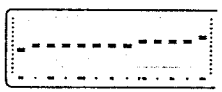
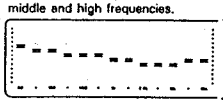
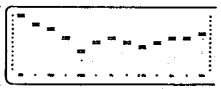


RECEIVER, GE

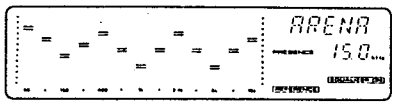
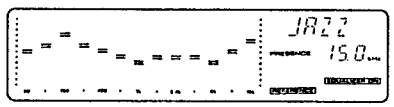
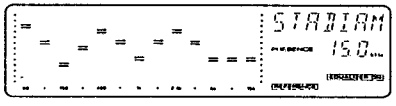
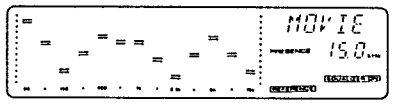
CIRCUIT DESCRIPTION

10. Operation of Graphic Equalizer

■ List of preset equalizer patterns

Preset equalizer pattern: REFERENCE 1 to 5	Preset equalizer pattern: MANUAL 1 to 5
1 [PHONES] For recording sound by adjusting its sound suitable for playback with a headphone stereo. 	1 For reducing ultra-low frequency noise or scratch noise when playing an analog disc. 
2 [CAR] For recording sound by adjusting its sound suitable for playback with a car stereo. 	2 For playing the jazz of the fifties, etc., with an ambience of those days.
3 [ROCK] For playing rock or fusion music with more powerful sound.	3 For playing music for a long period of time, like background music.
4 [VOCAL] For playing various kind of music with enhanced vocal. 	4 For playing very detailed music. 
5 [SOFT] For playing music with soft sound by cutting irritating middle and high frequencies. 	5 To create an exciting sound by enhancing ultra-low and high frequencies. 

■ List of preset equalizer patterns with the presence effect

ARENA 	JAZZ 
STADIUM 	MOVIE 

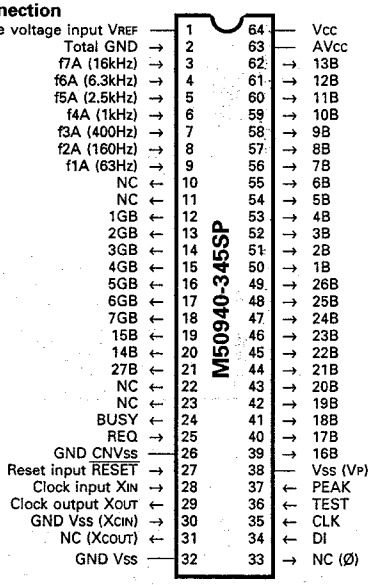
RECEIVER, GE

RXD-26/26L

CIRCUIT DESCRIPTION

11. GE microprocessor : M50940-345SP (X14- : IC2)

11-1. Pin connection



This microprocessor is controled by receiver microprocessor (X14- : IC1).

11-2. Pin function

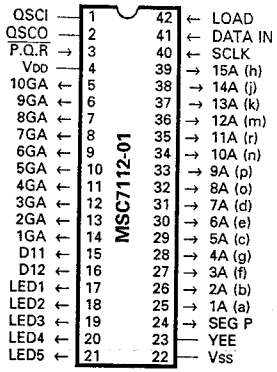
Pin No.	Pin name	I/O	Name	Description
1	VREF	–	VREF	Reference voltage input for A/D converter.
2	IN7	I	Total	Not used (GND).
3~9	IN6~0		f7A~f1A	f7A~f1A (16k, 6.3k, 2.5k, 1k, 400, 160, 63Hz) level analog input.
10, 11	P47, 46		–	Not used (Open).
12~18	P45~40, 37		1GB~7GB	FL grid drive (1GB~7GB).
19~21	15B, 14B, 27B	O	P36~34	FL segment drive (15B, 14B, 27B).
22, 23	–		P33, 32	Not used (Open).
24	BUSY		P31	BUSY signal output pin for communicating to main microprocessor.
25	REQ	I	P30	REQ signal input pin for communicating to main microprocessor.
26	CNVss	–	–	Connect the GND.
27	RESET	I	RESET	Reset pin (H : Normal, L : Reset).
28	XIN			Oscillater connect pin (4MHz).
29	XOUT	O		
30	XCIN	I	–	Not used (GND).
31	XCOUT	O		Not used (Open).
32	Vss	–		GND pin.
33	–	O		Not used (Open).
34	R3		DI	DATA signal input pin for communicating to main microprocessor.
35	R2	I	CLK	CLOCK signal input pin for communicating to main microprocessor.
36	R1		TEST	Test mode setting pin (H : Test, L : Normal).
37	R0		PEAK	Peak hold detection (H : Without, L : With).
38	VP	–	–	Connect the -30V.
39~49	P17~P05		16B~26B	FL segment drive (16B~26B), (H : ON, L : OFF).
50~62	P04~P00 P27~P20	O	1B~13B	FL segment drive (1B~13B), (H : ON, L : OFF).
63, 64	AVcc, Vcc	–	–	Power supply pin (+5V).

RECEIVER, GE

CIRCUIT DESCRIPTION

12. VF Display Controller : MSC7112-01 (X14- : IC3)

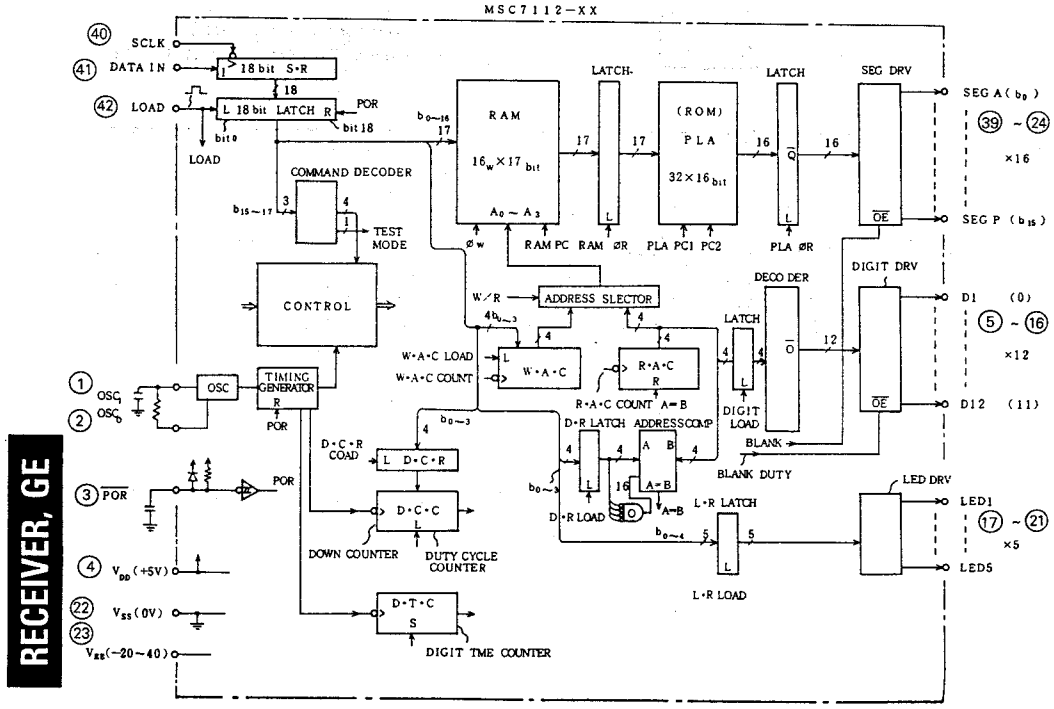
12-1. Pin connection



12-2. Pin function

Pin No.	Pin name	I/O	Name	Description
1	QSCI	–	–	OSC connection pin.
2	QSCO			
3	P.Q.R	I		Reset signal input.
4	VDD	–		+5V supply.
5~14	D1~10	O	10GA~1GA	Grid (10GA~1GA).
15~21	D11, 12 LED1~5			Not used (Open).
22	VSS	–		GND.
23	VEE			-30V supply.
24	SEG P	O		Not used (Open).
25~39	SEG0~A		P1A~15A	Segment (a, b, f, g, c, e, d o, p, n, r, m, k, j, h).
40	SCLK	I	CLK	Clock.
41	DATA IN		DT	Data.
42	LOAD		LOAD	Strobe.

12-3. Block diagram



RECEIVER, GE

■ Preparations

Be sure the correct date and time are set before setting the timer.

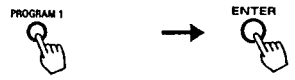
Timer reception/recording of radio broadcast

Timer reception/recording of radio broadcast ... The preparations consist of the setting of the timer ON and OFF times (and the preset station No. when receiving radio broadcast is required).

Example: Setting timer radio reception from 7:30 AM to 8:00 AM of preset station No. 3 in timer program 1.

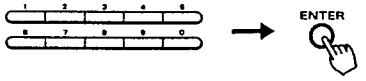
1 Enter the program setting mode.

Press the PROG. 1 key. Press the ENTER key.



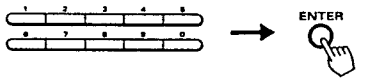
2 Input the ON time.

Press [0], [7], [3], and [0] Press the ENTER key.



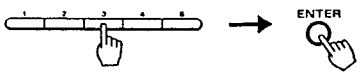
3 Input the OFF time.

Press [0], [8], [0], and [0] Press the ENTER key.



4 Select the preset station No.

Press [3]. Press the ENTER key.



- The stations should be stored in the preset memory with a number of 20 or less.

Now the ON/OFF time setting is completed. Hereafter, proceed to the setting of "Reception/recording of radio station" on the next page.

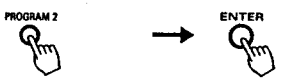
Timer playback of CD or tape

Timer playback of CD or tape ... The preparations consist of the setting of the timer ON and OFF times

Example: Setting timer CD playback from 11:00 PM to 11:30 PM in timer program 2.

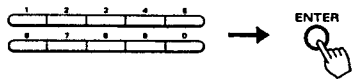
1 Enter the program setting mode.

Press the PROG. 2 key. Press the ENTER key.



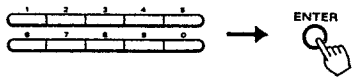
2 Input the ON time.

Press [2], [3], [0], and [0] Press the ENTER key.



3 Input the OFF time.

Press [2], [3], [3], and [0] Press the ENTER key.



4 Press the ENTER key.

Now the ON/OFF time setting is completed. Hereafter, proceed to the setting of "Playback of CD/tape" on the next page.

- When it is required to change the ON time or OFF time, restart the procedure from the beginning of "Preparation" above.
- If a programme number which already contains a programme is selected, the programme will be replaced with the new programme content.
- Set the programmes so that their operating time ranges do not overlap.

■ Receiving radio broadcast with timer

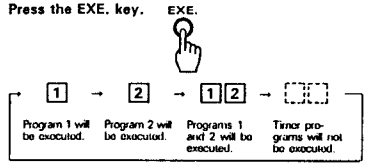
1 Perform the preparation steps 1 to 4.

2 Remove disc from the CD player.

3 Adjust the volume and tone.

4 Specify the execution of timer program.

Press the EXE. key. EXE.



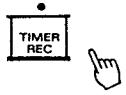
- Check the lighted Program No. indicator.

5 Select the TUNER input.

6 Switch the power to STAND-BY.

Press the POWER key

7 The TIMER REC indicator should go off.



To continue the reception of radio station which as been started to be received by timer ON:

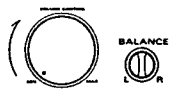
Press the EXE. key before the OFF time comes so that the program number display is extinguished. This allows to receive radio broadcasting even after the OFF time.

■ Recording radio broadcast with timer

1 Perform steps 1 to 4 of the timer operation preparation.

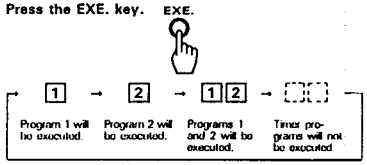
2 Take out any CD and insert a recordable tape in deck B.

3 Adjust the volume and tone.



4 Specify the execution of timer program.

Press the EXE. key. EXE.



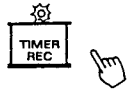
- Check the lighted Program No. indicator.

5 Select the TUNER input.

6 Switch the power to STAND-BY.

Press the POWER key

7 The TIMER REC indicator should light up.



Notes:

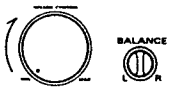
1. Do not press the EXE. 1 2 key or the POWER key while the power is turned ON by the timer. Otherwise malfunction may occur.
2. Be careful that the setting time of the two programs are not overlapped.
3. When the ON time of a timer the execution of which has been specified comes during radio reception, the station being received is switched to the station set by the timer program. Use special care against this fact when you a recording radio broadcast.
4. The timer program contents cannot be cleared. Therefore, when the timer is not to be used, be sure to cancel the execution specification so that the indicators are "off".

■ Playing CD with timer

1 Perform the preparation steps 1 to 4 described on page 33.

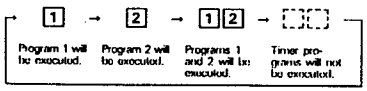
2 Take out any tape and place a CD in the CD player.

3 Adjust the volume and tone.



4 Specify the execution of timer program.

Press the EXE. key.


1 → 2 → 1 2 → 1 2
Program 1 will be executed.
Program 2 will be executed.
Programs 1 and 2 will be executed.
Timer programs will not be executed.

- Check the lighted Program No. indicator.

5 Switch the power to STAND-BY.

Press the POWER key.

6 The TIMER REC indicator should go off.

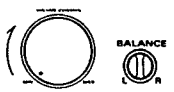
■ Playing tape(s) with timer

1 Perform the preparation steps 1 to 4 described on page 33.

2 Take out any CD and insert a tape in a cassette deck.

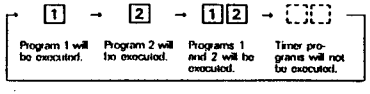
- Set the play mode, DOLBY NR condition and tape transport direction.

3 Adjust the volume and tone.



4 Specify the execution of timer program.

Press the EXE. key.


1 → 2 → 1 2 → 1 2
Program 1 will be executed.
Program 2 will be executed.
Programs 1 and 2 will be executed.
Timer programs will not be executed.

- Check the lighted Program No. indicator.

5 Switch the power to STAND-BY.

Press the POWER key.

6 The TIMER REC indicator should go off.

To continue CD/tape playback after the power has been turned ON by the timer

Press the EXE. key before the OFF time comes so that the program number display is extinguished.

■ Checking the programme contents

To check the contents of programme 1	To check the contents of programme 2
Press the PROGRAM 1 key.	Press the PROGRAM 2 key.

- If nothing is specified while the programme number is blinking, the display will return to the previous condition.
- The programme contents are displayed for about 5 seconds per track, then the display returns to the previous condition.

■ Cancelling the programme execution

Press the EXE. key.

The programme number which is not to be executed should be turned off.

- The programme contents are not cleared even when the execution is cancelled.

To activate the equipment with timer operation again

As the programmes are maintained in memory, check their contents and perform the procedure from "Select the programme to be executed." and on.

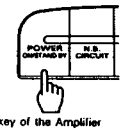
① Select the programme number to be executed by pressing the EXE. key.
② Adjust the volume and tone when receiving radio broadcasting or playing CD or tape.
③ Turn the power OFF.

■ Sleep timer

Remote control only

The sleep timer allows to turn the system power off after the specified period has elapsed. The period can be set up to 90 minutes in 10-minute steps. The sleep timer is applied in priority over the timer programs.

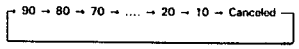
1 Turn the power ON.



Press the POWER key of the Amplifier

2 Press the key until the desired period is displayed.

Press the SLEEP key once.



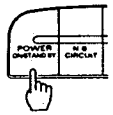
- Each press decreases the period by 10 minutes.

To cancel sleep timer

Press the SLEEP key until the sleep timer is canceled.

or

Press the POWER key to turn the power off (STAND-BY).



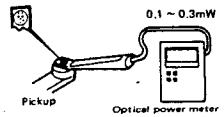
ADJUSTMENT

<CD>

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	LASER POWER	–	Apply the sensor section of the optical power meter on the pickup lens.	Short-circuit pins TEST and turn the power on to enter the test mode. Turn the gear clockwise to move the pickup outwards by hand. Press the CHECK key to check that the LD emits light. Then, confirm that the display is "02".	–	On the power from 0.1 to 0.3mW, when the diffraction grating is correctly aligned with the RF level of 1.0Vp-p or more and the TE (servo open) level of 1.5Vp-p or more, the pickup is acceptable. (photo. 1 ~ 4)	(a)
2	VCO (NORMAL)	–	Connect a frequency counter to PLCK (TP9). (X32)	Press the STOP key, and confirm that the display is "01".	L2 (X32)	4.30MHz ±20kHz	(b)
3	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF (X32 CN6-1) CH2: TE (X32 CN6-6)	Press the REPEAT key to open the tray. Load a disc and close the tray by pushing it by hand. Then, press the CHECK key. Confirm that the display is "03".	TE BALANCE VR1 (X32)	Symmetry between upper and lower patterns, or DC=0±0.05V (photo. 5)	(c)
4	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF (X32 CN6-1) CH2: TE (X32 CN6-6)	Press the PLAY key. Confirm that the display is "05".	FE BALANCE VR2 (X32)	Optimum eyepattern (photo. 6)	(d)
5	FOCUS GAIN	Test disc Type 4 Apply signal of 800Hz, 0.2Vrms to CN6 pin 2 and 3. (X32)	Connect an LPF to CN6 pin 2 and 3, to which connect an oscilloscope or two AC voltmeters. (X32)	Press the PLAY key. Confirm that the display is "05".	FOCUS GAIN VR3 (X32)	Two VTVMs should read the same value.	(e)
6	TRACKING GAIN	Test disc Type 4 Apply signal of 1kHz, 0.2Vrms to CN6 pin 5 and 6. (X32)	Connect an LPF to CN6 pin 5 and 6, to which connect an oscilloscope or two AC voltmeters. (X32)	Press the PLAY key. Confirm that the display is "05".	TRACKING GAIN VR4 (X32)	Two VTVMs should read the same value.	(e)

(Note) Type 4 disc: SONY YEDS-18 Test Disk or equivalent.
LPF: Around 47kΩ+390pF or so.

(a) Laser Power



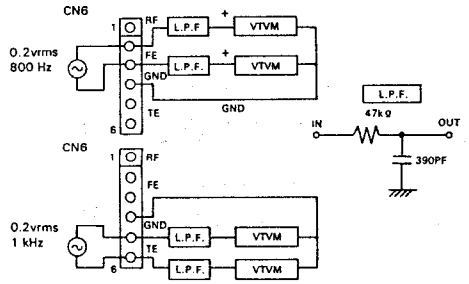
(e) Focus Gain, Tracking Gain

FOCUS GAIN

Two VTVMs should read the same value

TRACKING GAIN

Two VTVMs should read the same value

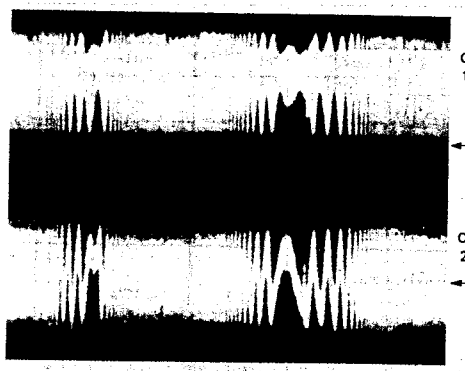


ADJUSTMENT

(a) DIFFRACTION GRID ADJUSTMENT

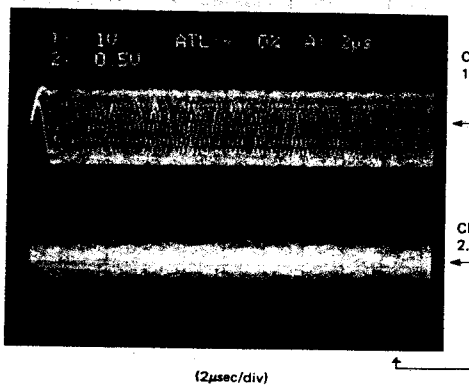
(Photo. 1)

- RF signal and T.Error signal after diffraction grating adjustment.



(Photo. 2)

- RF signal and T.Error signal when there is small diffraction grating position error.
- The T.Error signal level is small, and the envelope is as shown in the diagram below.

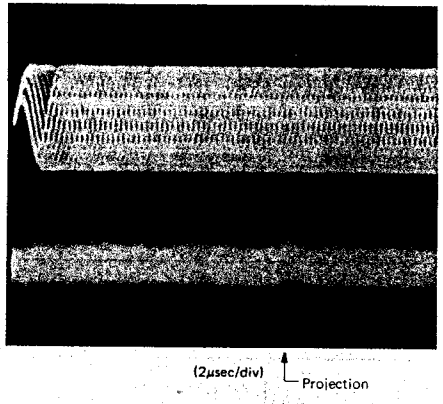


(Photo. 3)

- RF signal and T.Error signal in test mode (with focusing ON).
- When the sub-beam tracks the same bit series as the main beam during diffraction grating adjustment, bringing the RF trigger point to the position shown in the Photo causes a "projection" to be observies in the T.Error waveform.

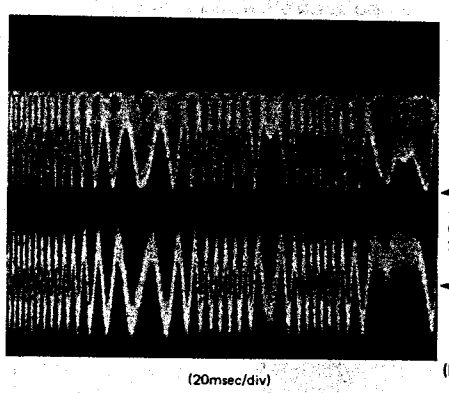
RXD-26/26L

ADJUSTMENT



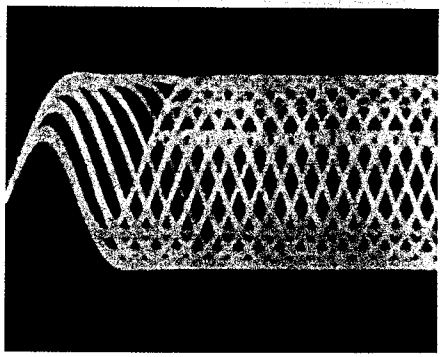
(Photo. 4)

- RF signal and E.Spot signal in test mode (PLAY).
- If the diffraction grating has been adjusted properly, the influence of triggering is observed on the E.Spot waveform of appox. 12μs after RF signal, in the form of a projection.



(Photo. 5)

- RF signal and T.Error signal; in test mode (Focusing ON). (Disc type 4)
- Adjust T.Error so that the waveform is symmetrical above and below 0V.



(Photo. 6)

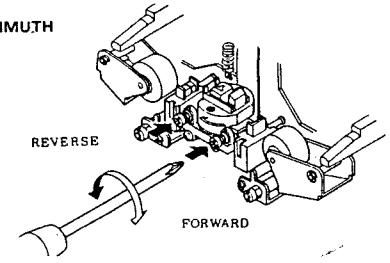
- RF signal in test mode (PLAY).
- Perform the tangential and focusing offset adjustments so that each of the center cross points are focused into one point on the display. The crossing points above and below the center shall also be displayed clearly.

ADJUSTMENT

<DECK>

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
CASSETTE DECK SECTION		TAPE:NORMAL, DOLBY:OFF, INPUT:LINE				0dBs=0.775V	
I REC/PLAY HEAD							
[1]	DEMAGNETIZATION	–	–	POWER: OFF Remove the cassette door.	REC/PLAY head	Demagnetize the REC/PLAY head with a head demagnetizer.	
[2]	CLEANING	–	–	PLAY	REC/PLAY head erase head, capstan, pinch roller.	Clean the REC/PLAY head erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
[3]	AZIMUTH	TCC-153 MTT-114 10kHz,-10dB	(B)	PLAY	Azimutht adjustment screw	Maximum output.	(f)
II PC BOARD (X28-2422-70)							
(1)	TAPE SPEED (HI SPEED)	TCC-110 MTT-111 3kHz	(B)	Connect between GND and TP19(A) or TP20(B) PLAY	DECK A: VR20 DECK B: VR22	Adjust the tape speed so that a 6kHz signal is produced at the center of the tape.	
(2)	TAPE SPEED (NORMAL)	TCC-110 MTT-111 3kHz	(B)	No connect between GND and TP19(A) or TP20(B)	DECK A: VR19 DECK B: VR21	Adjust the tape speed so that a 3kHz signal is produced at the center of the tape.	
III PC BOARD (X28-2422-70)							
<1>	PLAYBACK LEVEL	MTT-150 400Hz	(B)	PLAY	DECK A: VR11(L) VR12(R) DECK B: VR13(L) VR14(R)	Output level: -6.0dBs	
		MTT-256 315Hz				Output level: -9.0dBs	
		MTT-256U,TCC-160 315Hz				Output level: -5.0dBs	
<2>	BIAS CURRENT	(E) 1kHz,(-30dBs) 10kHz,(-30dBs)	(B)	This system has a CRLS function. It cannot turn the electronic variable resistor up or down. So to adjut the REC level, hold down the CRLS control for more than three seconds, and set the electronic variable resistor to -15dB (initial value). Then, adjust the input level so that the REC monitor output is -29dBs.	VR17(L) VR18(R)	Record 1kHz and 10kHz in alternation and adjust the variable resistors which control the bias current so that the same playback level is obtained.	

(f) AZIMUTH



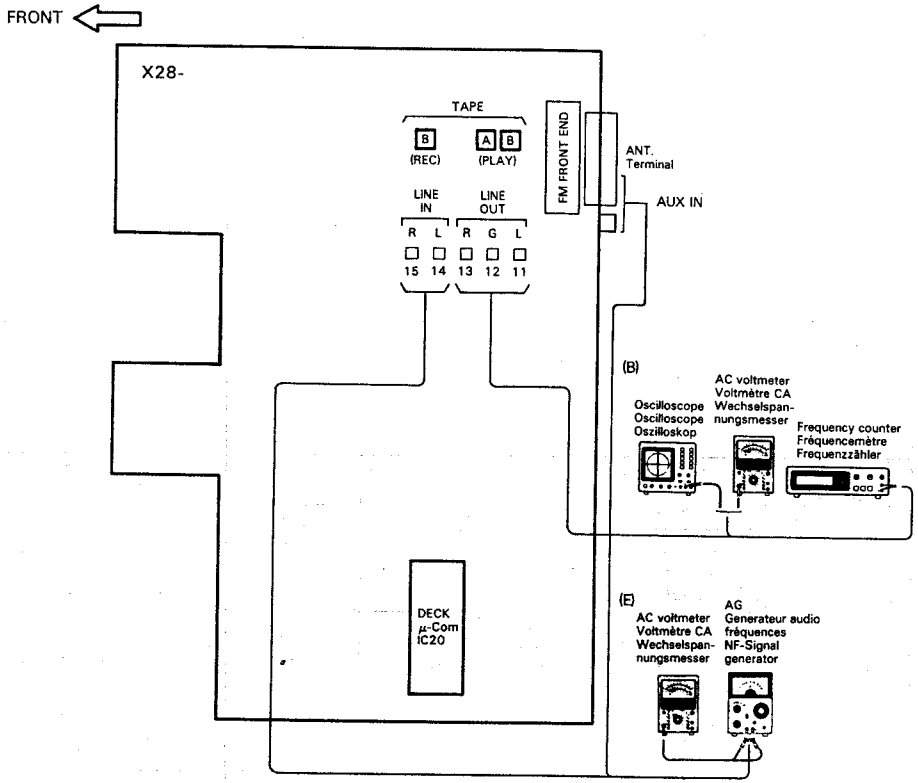
RXD-26/26L

ADJUSTMENT

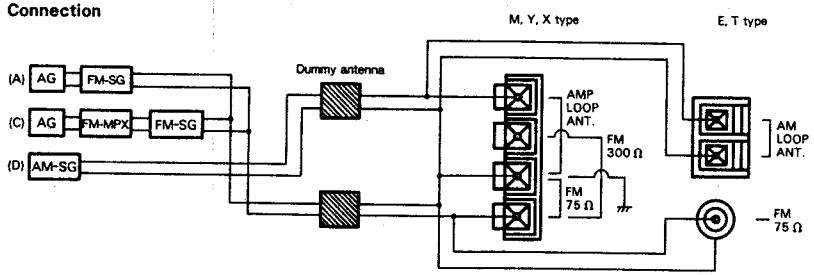
<TUNER>

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION			SELECTOR: FM				
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±75kHz dev (M,Y,X type) 1kHz,±40kHz dev (E,T type) 60dBμ (ANT input)	Connect a DC voltmeter between TP3 and TP4. (X28-)	AUTO or MONO 98.0MHz	L2 (X28-)	0V	(g)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±68.25kHz dev Pilot:±7.5kHz dev (M,Y,X type) 1kHz,±40kHz dev Pilot:±6kHz dev (E,T type) 60dBμ (ANT input)	(B)	MONO 98.0MHz	IFT (W02-)	Minimum distortion	
3	SEPARATION	(C) 98.0MHz 1kHz,±68.25kHz dev Pilot ±7.5kHz dev (M,Y,X type) 1kHz,±40kHz dev Pilot:±6kHz dev (E,T type) Selector:L or R 60dBμ (ANT input)	(B)	AUTO 98.0MHz	VR5 (X28-)	Minimum crosstalk	
4	TUNING LEVEL	(A) 98.0MHz 1kHz,±75kHz dev (M,Y,X type) 1kHz,±45kHz dev (E,T type) 14dBμ(ANT input) 75Ω 18dBμ(ANT input)300Ω	(B)	AUTO or MONO 98.0MHz	VR1 (X28-)	Adjust VR1 and stop at the point where [X14] ED1 (TUNED) goes on.	
AM (MW) SELECTION			SELECTOR:AM(MW)				
(1)	TUNING LEVEL	(D) 1008kHz 400Hz,30% mod 26dBμ (ANT input)	(B)	1008kHz	VR3 (X28-)	Adjust VR3 and stop at the point where [X14] ED1 (TUNED) goes on.	

ADJUSTMENT



Connection



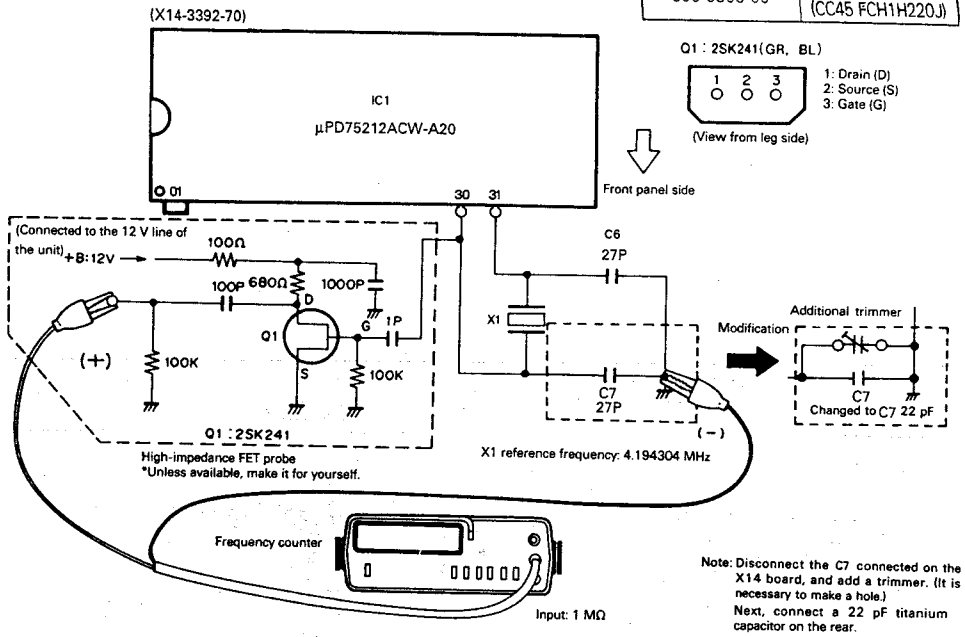
RXD-26/26L

ADJUSTMENT

SERVICE POINT

1. Timer accuracy improvement method:

Capacitance value of additional trimmer	C7 constant modification
20 pF (red), C05-0303-05	22 pF titanium capacitor (CC45 FCH1H220J)



The timer accuracy is within ±40 seconds for one month as a standard. For improved timer accuracy, perform the following procedure:

(1) If the timer accuracy is without the standard, replace X1 (L77-1176-05) near the microprocessor IC on a printed board (X14-).

(2) Even if within the standard, for further improved accuracy, change the constant of C7 in the crystal oscillation circuit of microprocessor IC1 and add a trimmer.

Adjustment method (Use a high-impedance buffer to avoid frequency deviation.)

Connect a high-accuracy frequency counter to pin 30 by way of the FET probe shown above, and adjust the frequency fully up to the first digit of the X1 reference frequency 4,194,304 Hz. (Connect the negative (−) side of the frequency counter to the GND side of C7.)

Notes: 1. As regards the positive (+) side of the frequency counter, arrange as short a distance as possible between pin 30 of IC1 and 1P of the input stage of the FET probe.

2. Perform the trimmer adjustment after energization of around 10 minutes at normal temperature.

(3) Monthly error calculation method

For example, when the result of measurement at pin 30 by the frequency counter is fx = 4,194,275 Hz...

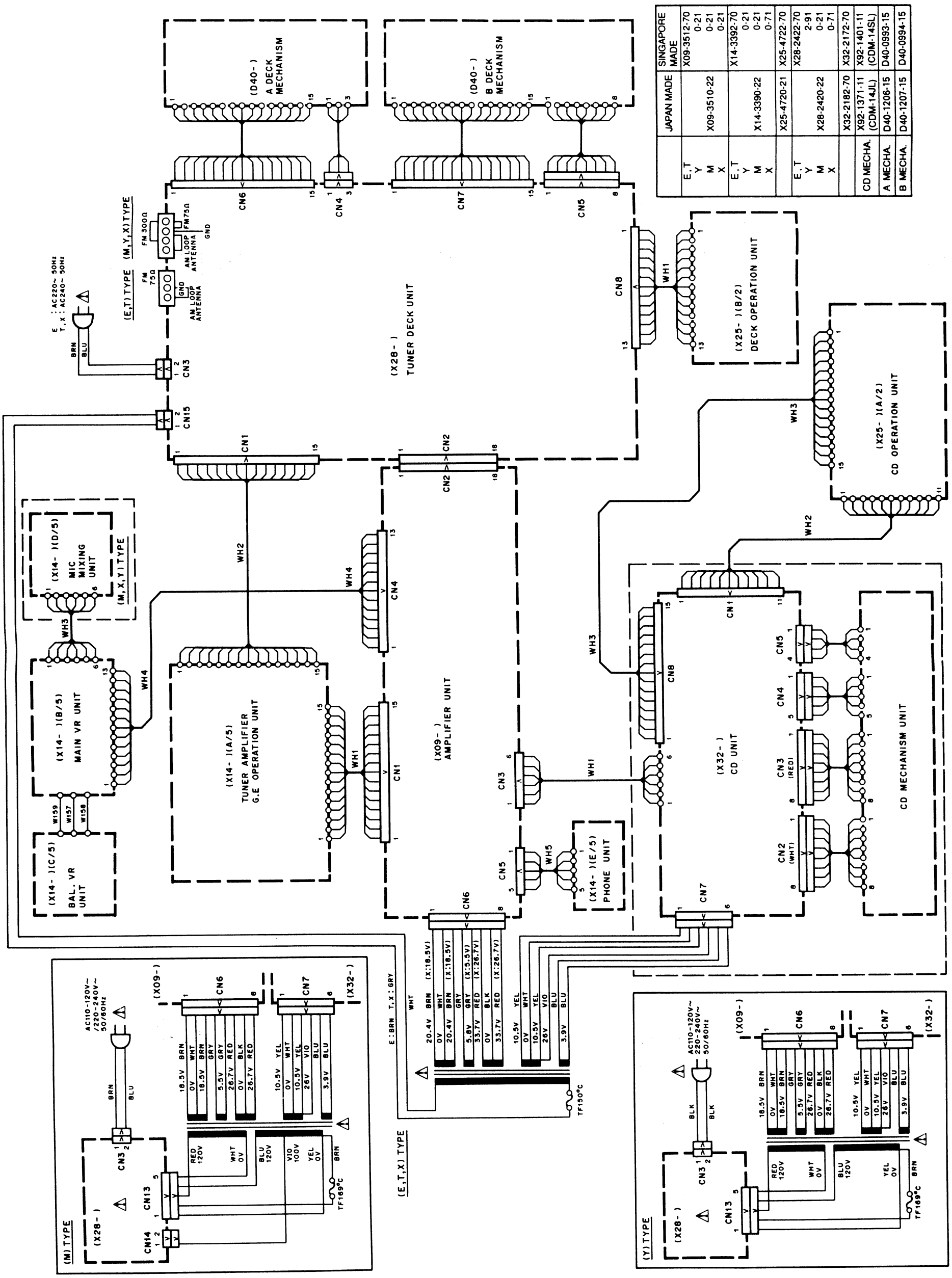
$$\text{Monthly error [sec]} = \frac{fx - fo}{fo} \times \text{the number of seconds taken for one month}$$

$$= \frac{4,194,275 - 4,194,304}{4,194,304} \times (60 \times 60 \times 24 \times 30)$$

$$= -17.9 \text{ [sec]}$$

* A minus value as the monthly error means a loss.

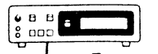
WIRING DIAGRAM



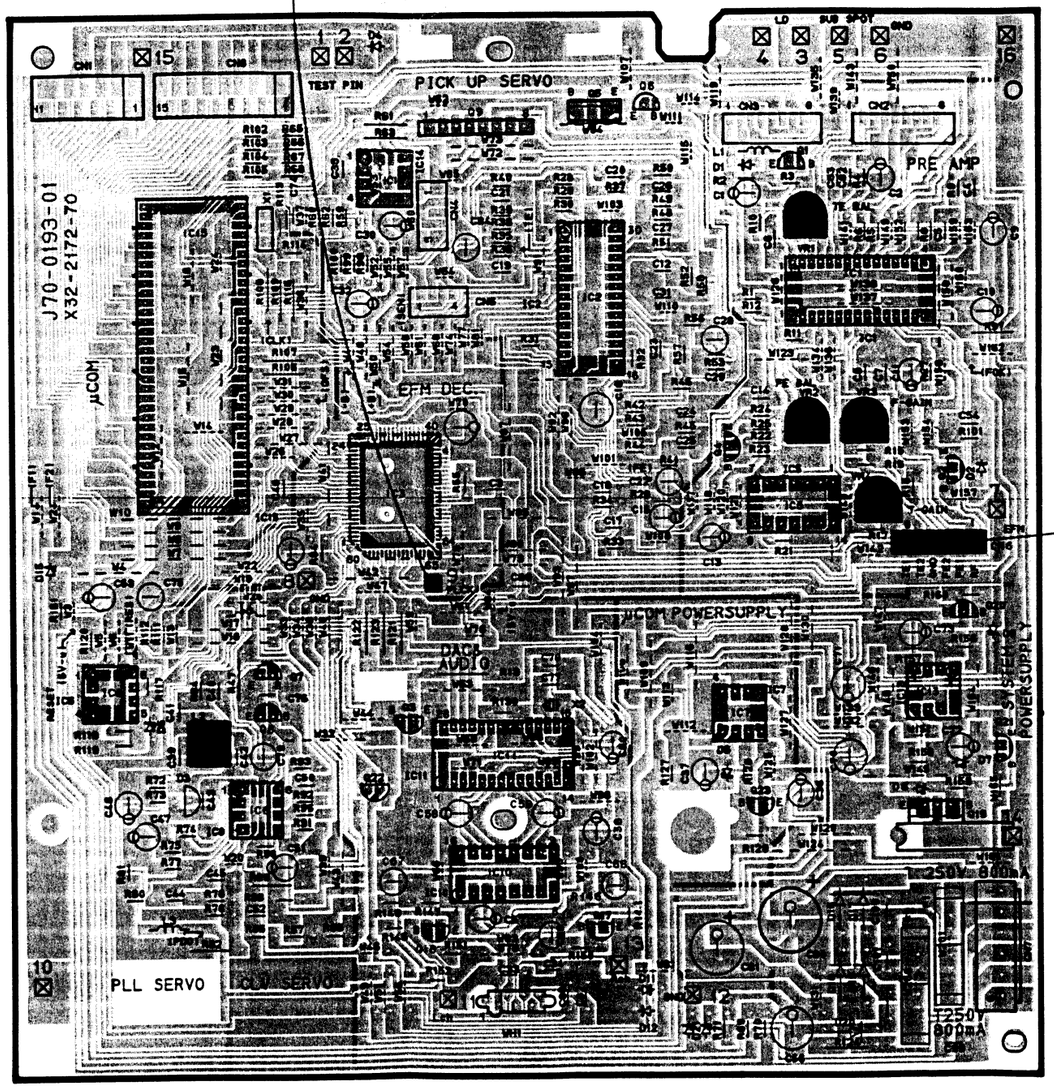
	JAPAN MADE	SINGAPORE MADE
E,T		X09-3512-70
Y		0-21
M	X09-3510-22	0-21
X		0-21
E,T		X14-3392-70
Y		0-21
M	X14-3390-22	0-21
X		0-71
	X25-4720-21	X25-4722-70
E,T		X28-2422-70
Y		2-91
M	X28-2420-22	0-21
X		0-71
	X32-2182-70	X32-2172-70
CD MECHA.	X92-1371-11 (CDM-14JL)	X92-1401-11 (CDM-14SL)
A MECHA.	D40-1206-15	D40-0993-15
B MECHA.	D40-1207-15	D40-0994-15

PC BOARD (COMPONENT SIDE VIEW)

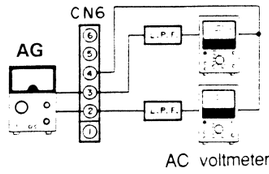
(b) VCO : 4.30MHz ± 20kHz



Frequency counter

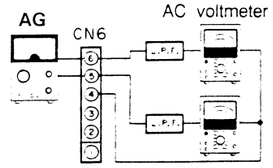


(e) Focus gain
: Two VTVMs should read the same value.



AC voltmeter

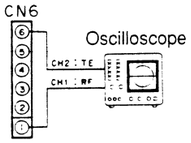
(e) Tracking gain
: Two VTVMs should read the same value.

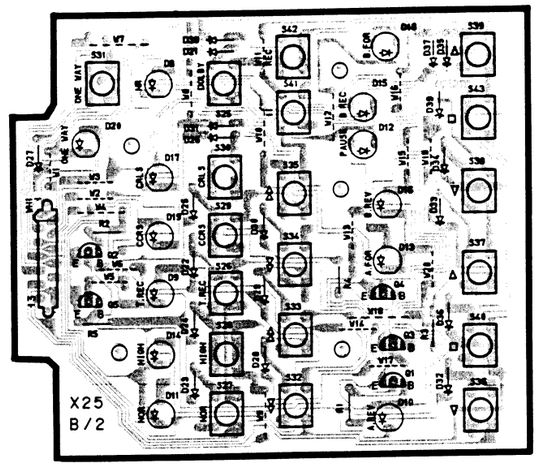


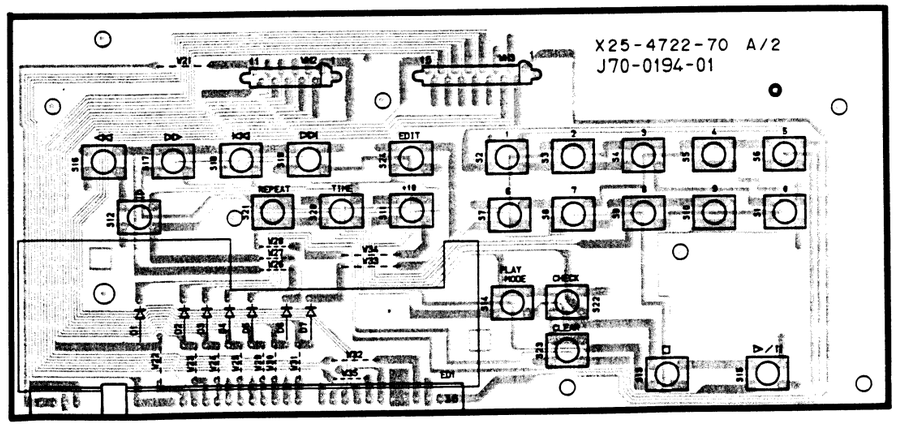
AC voltmeter

(c) Tracking error balance
: Symmetry between upper and lower patterns, or DC=0±0.05V

(d) Focus error balance
: Optimum eye pattern

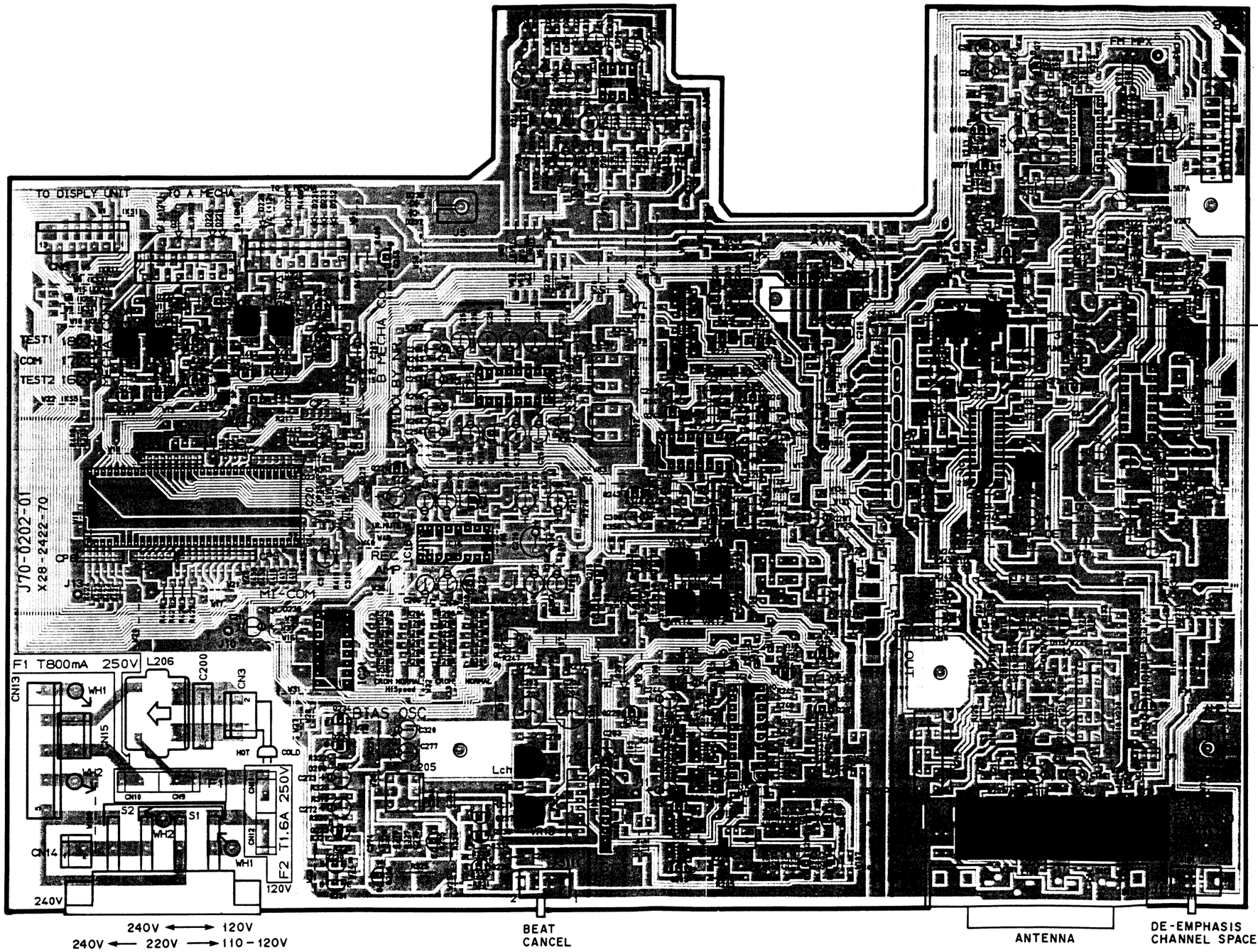






Refer to the schematic diagram for the values of resistors and capacitors.

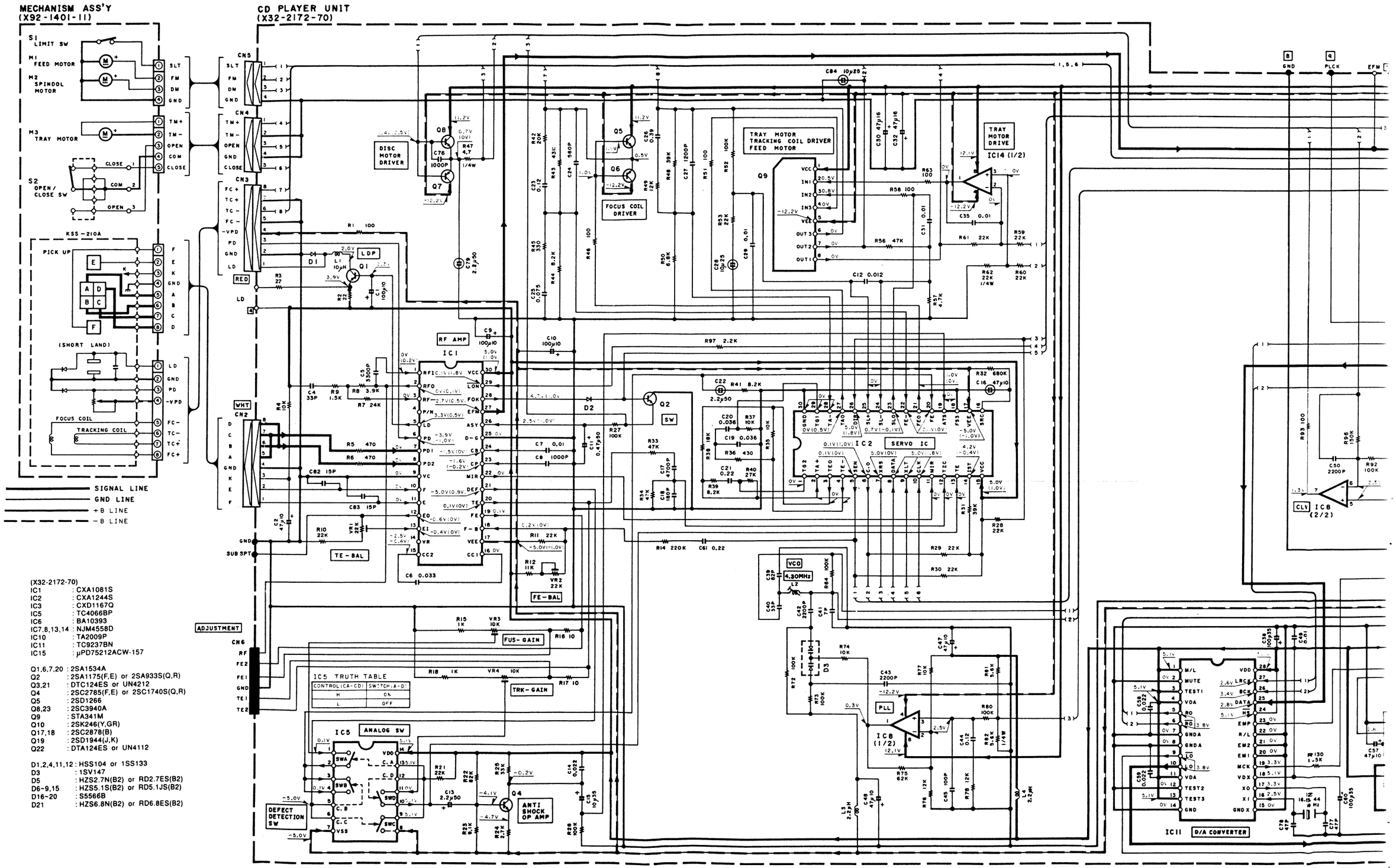
PC BOARD (COMPONENT SIDE VIEW)



(g) Discriminator : 0V

DC voltmeter

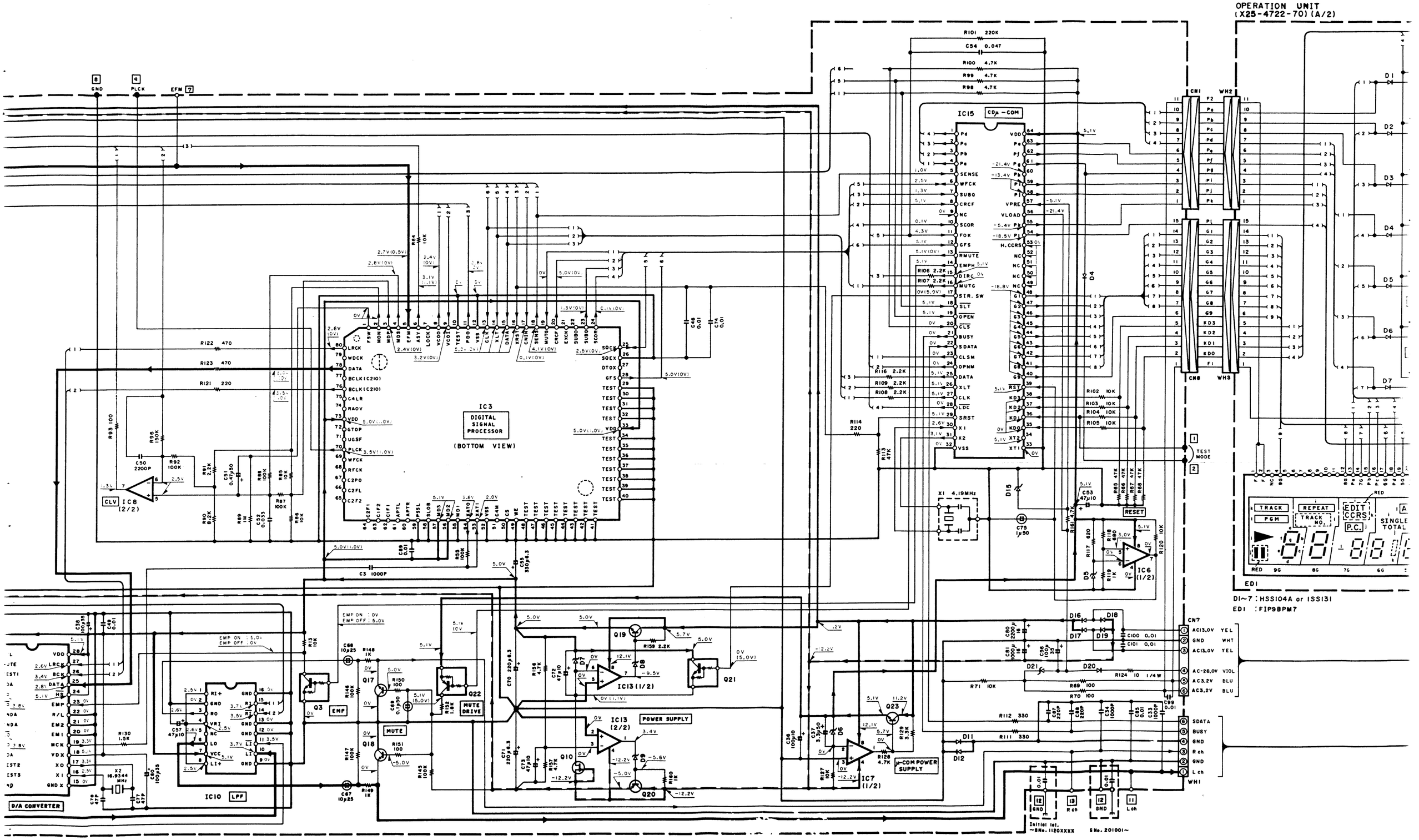
Refer to the schematic diagram for the values of resistors and capacitors.



(X32-2172-70)

IC1	: CXA1081S
IC2	: CXA1244S
IC3	: CXD1167Q
IC5	: TC4066BP
IC6	: BA10393
IC7,8,13,14	: NJM4558D
IC10	: TA2009P
IC11	: TC9237BN
IC15	: μPD75212ACW-157
Q1,6,7,20	: 2SA1534A
Q2	: 2SA1175(F,E) or 2SA933S(Q,R)
Q3,21	: DTC124ES or UN4212
Q4	: 2SC2785(F,E) or 2SC1740S(Q,R)
Q5	: 2SD1266
Q8,23	: 2SC3940A
Q9	: STA341M
Q10	: 2SK246(Y,GR)
Q17,18	: 2SC2878(B)
Q19	: 2SD1944(J,K)
Q22	: DTA124ES or UN4112
D1,2,4,11,12	: HSS104 or 1SS133
D3	: 1SV147
D5	: HZS2.7N(B2) or RD2.7ES(B2)
D6~9,15	: HZS5.1S(B2) or RD5.1JS(B2)
D16~20	: S5566B
D21	: HZS6.8N(B2) or RD6.8ES(B2)

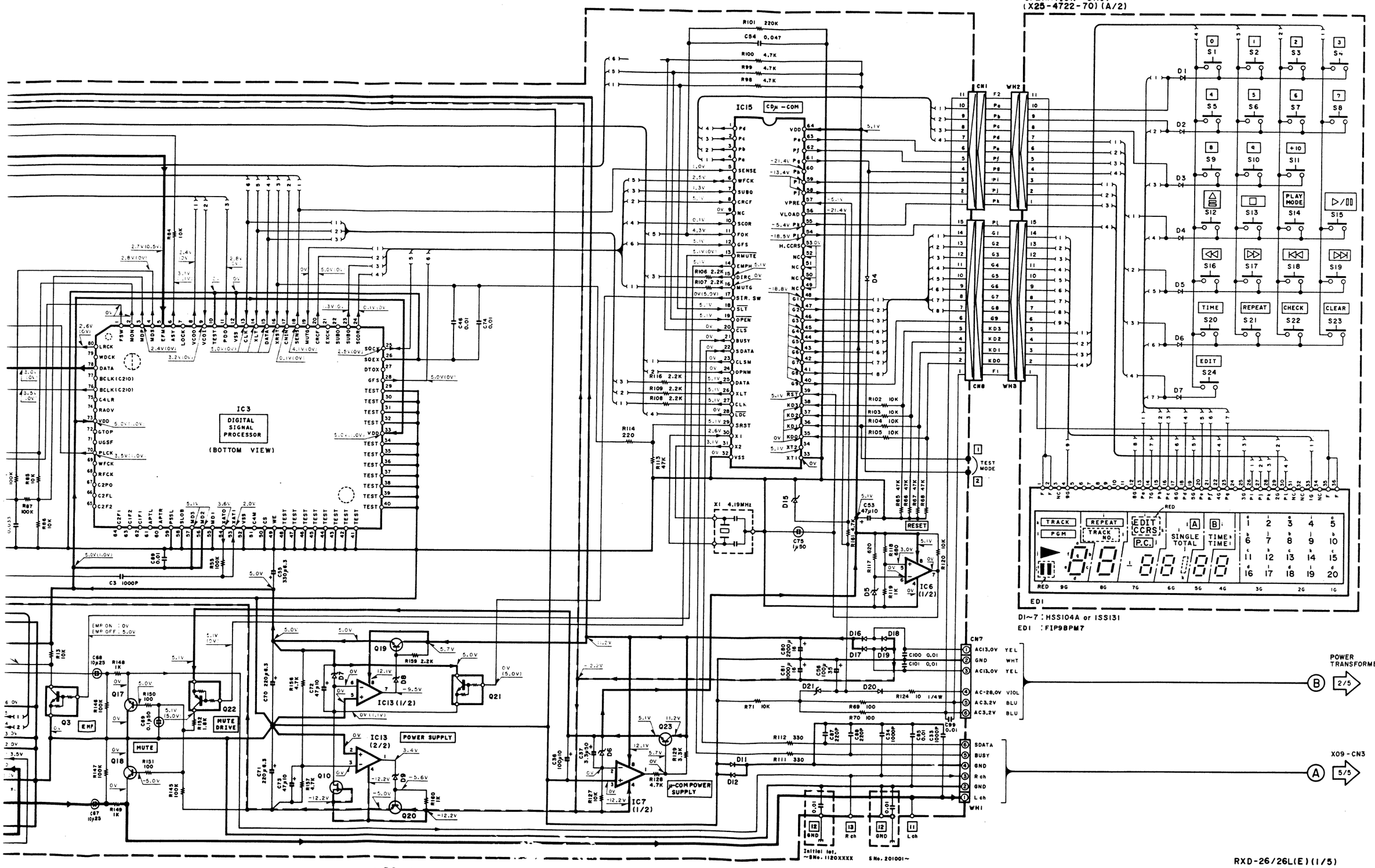
OPERATION UNIT
(X25-4722-70)(A/2)



- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y09-3962-70



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RXD-26/26L(E)(1/5)

RXD-26/26L

KENWOOD

Y09-3962-70

A MECHA ASS'Y
(D40-1206-05) JAPAN MADE
(D40-0993-05) SINGAPORE MADE

B MECHA ASS'Y
(D40-1209-05) JAPAN MADE
(D40-0994-05) SINGAPORE MADE

RECORD/PLAYBACK UNIT (X28-2422-70)

IC14 P.B EQ. IC

IC15 DOLBY NR

IC17 HEAD SELECTOR

IC18 REC VOL.

Q205,206 HI. DUB. OFF

Q201,202 A HEAD MUTE

Q203,204 B HEAD MUTE

Q209,210,214 A PLAY (ON)

Q211~213 B PLAY (ON)

Q215,216 REC:ON DUB:OFF

Q214,215 INVERTER

Q217 REC:0V PLAY,DUB:0.7V

PLAY,DUB:ON REC:OFF

Q233,234 BIAS ON (ON)

BIAS OSC

BIAS ON (OFF)

BIAS ON:ON

NORMAL (ON)

HI SPEED (ON)

HI. DUB. 70μS (ON)

LINE MUTE

LINE MUTE DRIVE

BEAT CANCEL

Q237~239 B.C2:ON

Q240~243 BUFFER

TUNER BLOCK

+5.6V AVR

X32-CN7

CN4

CN5

CN1

CN2

SHW-2L

PHOTO REFRECTOR

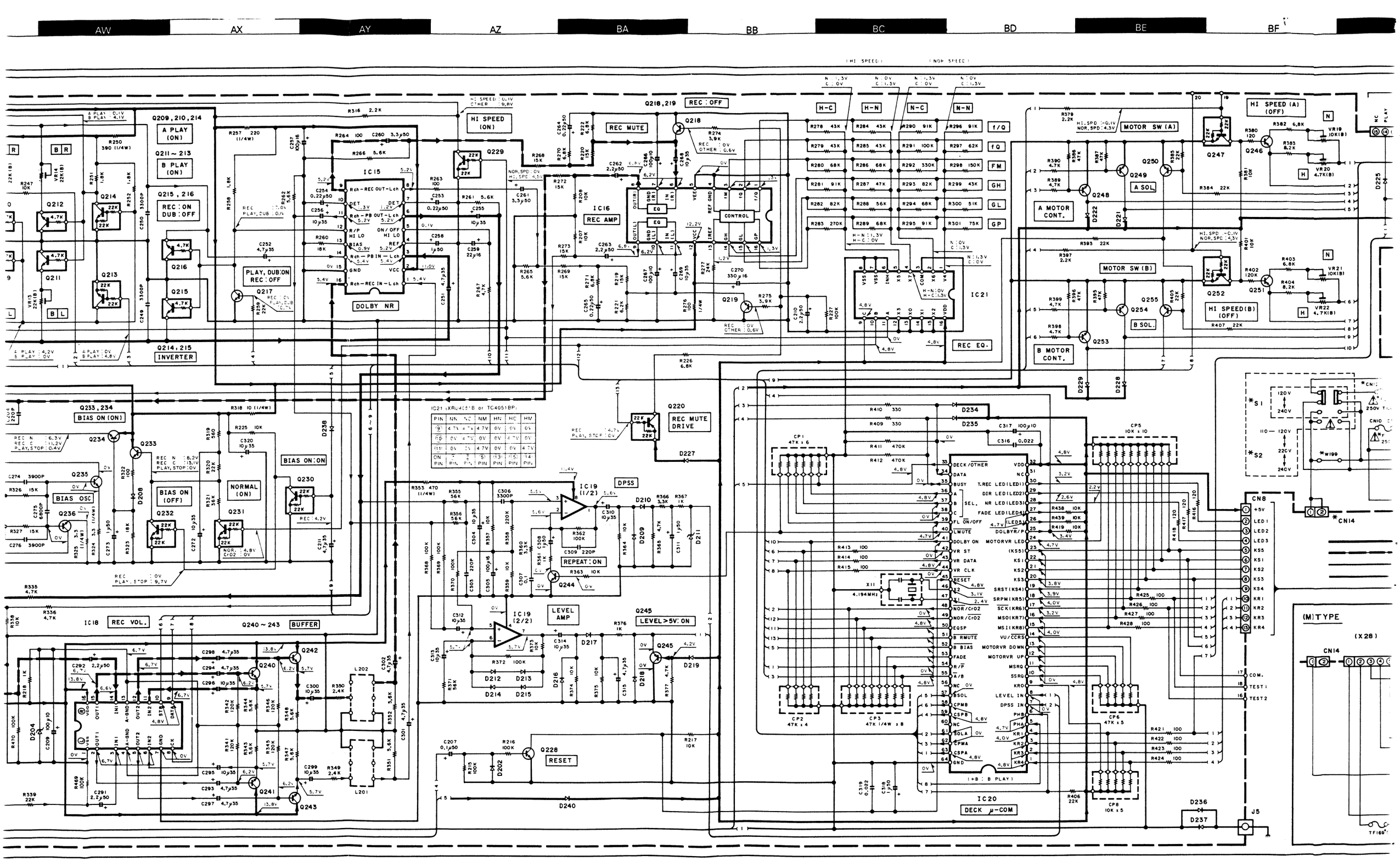
SOL

A MECHA. HEAD

B MECHA. HEAD

C21 (XRU4051B or TC40E)

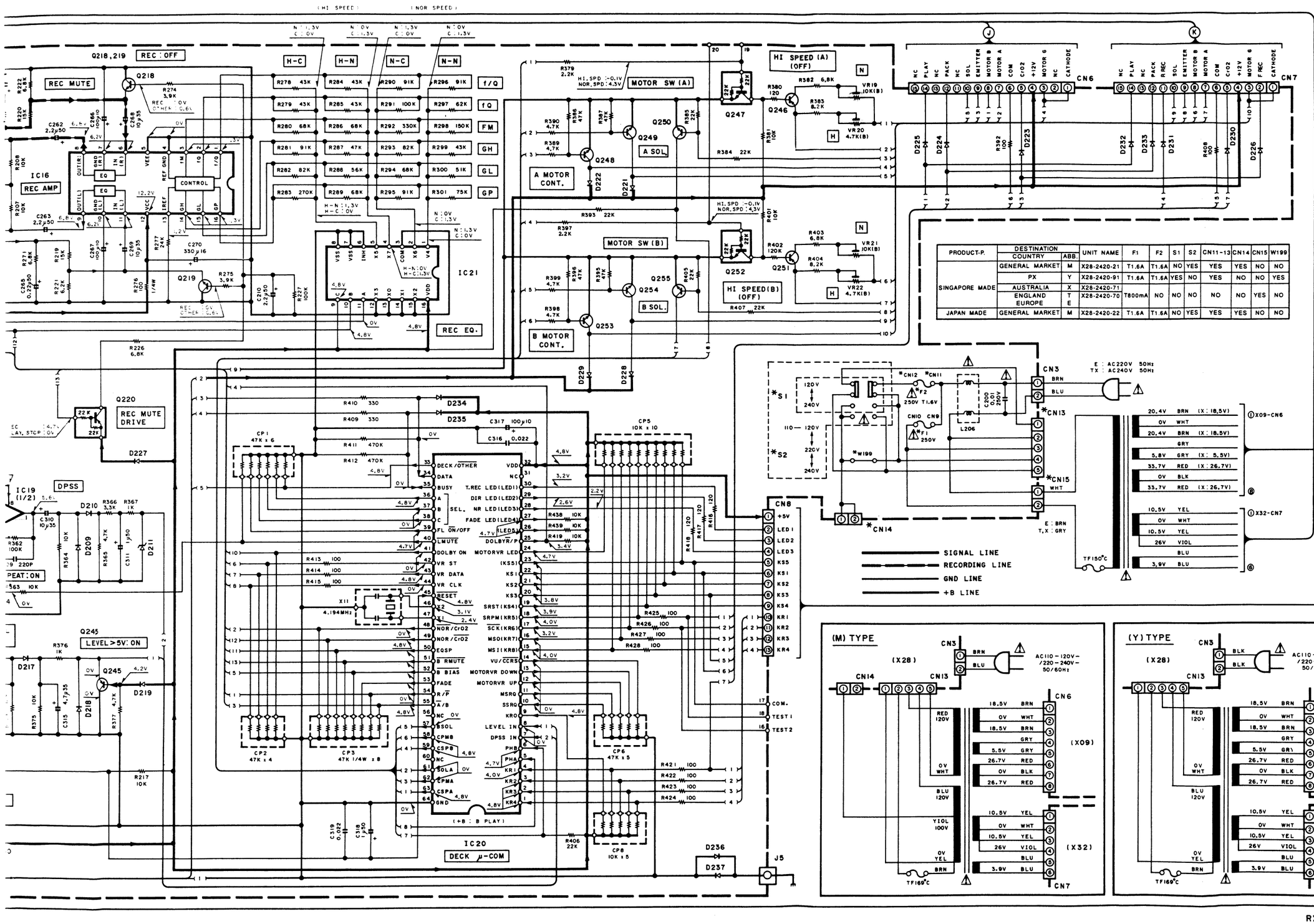
PIN	NN	NC	NM	HN
9	4.7V	4.7V	4.7V	0V
10	0V	4.7V	0V	0V
11	0V	0V	4.7V	0V
ON: PIN	1: PIN	2: PIN	3: PIN	13: PIN



IC21 (XRL4053B or TC4051BP)							
PIN	NN	NC	NM	HN	HC	HM
9	4.7V	4.7V	4.7V	0V	0V	0V
10	0V	4.7V	0V	0V	4.7V	0V
11	0V	0V	4.7V	0V	0V	4.7V
ON PIN	4 PIN	3 PIN	5 PIN	13 PIN	15 PIN	14 PIN

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



(X28-2422-70)
IC14 : LA3246
IC15 : HA12136A
IC16 : CXA1198AP
IC17 : μPC1330HA
IC18 : TC9213P
IC19 : RC4565D or NJM4565D
IC20 : μPD75112CW-149
IC21 : XRU4051B or TC4051BP

Q201~208,217,223,224,228,233,235,236, 240~244,250,255 : 2SC1740S(Q,R) or 2SC2785(F,E)
Q209~212,215,216 : DTC143TS or RN1210
Q213,214,229~232,247,252 : DTC124ES or RN1203
Q218,219 : 2SD1302
Q220,225 : DTA124ES or RN2203
Q227 : 2SD1266(Q,P)
Q234 : 2SC2003(L,K)
Q237,238 : 2SC1845(F,E)
Q239 : 2SA992(F,E)
Q245,246,251 : 2SA933S(Q,R) or 2SA1175(F,E)
Q248,249,253,254 : 2SC3246
Q218,219 : 2SD1302

D201 : HZS6.2N(B2) or RD6.2ES(B2)
D202,205,207~210,212~220,223~227,230~238,240 : HSS104 or 1SS133
D203 : HZS3.9N(B2) or RD3.9ES(B2)
D204 : HZS6.8N(B2) or RD6.8ES(B2)
D206 : HZS8.2S(B2) or RD8.2JS(B2)
D211 : HZS5.1S(B2) or RD5.1JS(B2)
D221,222,228,229 : S5688B or 1SR139-100

PRODUCT-P.	DESTINATION COUNTRY	ABB.	UNIT NAME	F1	F2	S1	S2	CN11-13	CN14	CN15	W199
SINGAPORE MADE	GENERAL MARKET	M	X28-2420-21	T1.6A	T1.6A	NO	YES	YES	YES	NO	NO
	PX	Y	X28-2420-91	T1.6A	T1.6A	YES	NO	YES	NO	NO	YES
	AUSTRALIA	X	X28-2420-71								
	ENGLAND EUROPE	T E	X28-2420-70	T800mA	NO	NO	NO	NO	NO	YES	NO
JAPAN MADE	GENERAL MARKET	M	X28-2420-22	T1.6A	T1.6A	NO	YES	YES	YES	NO	NO

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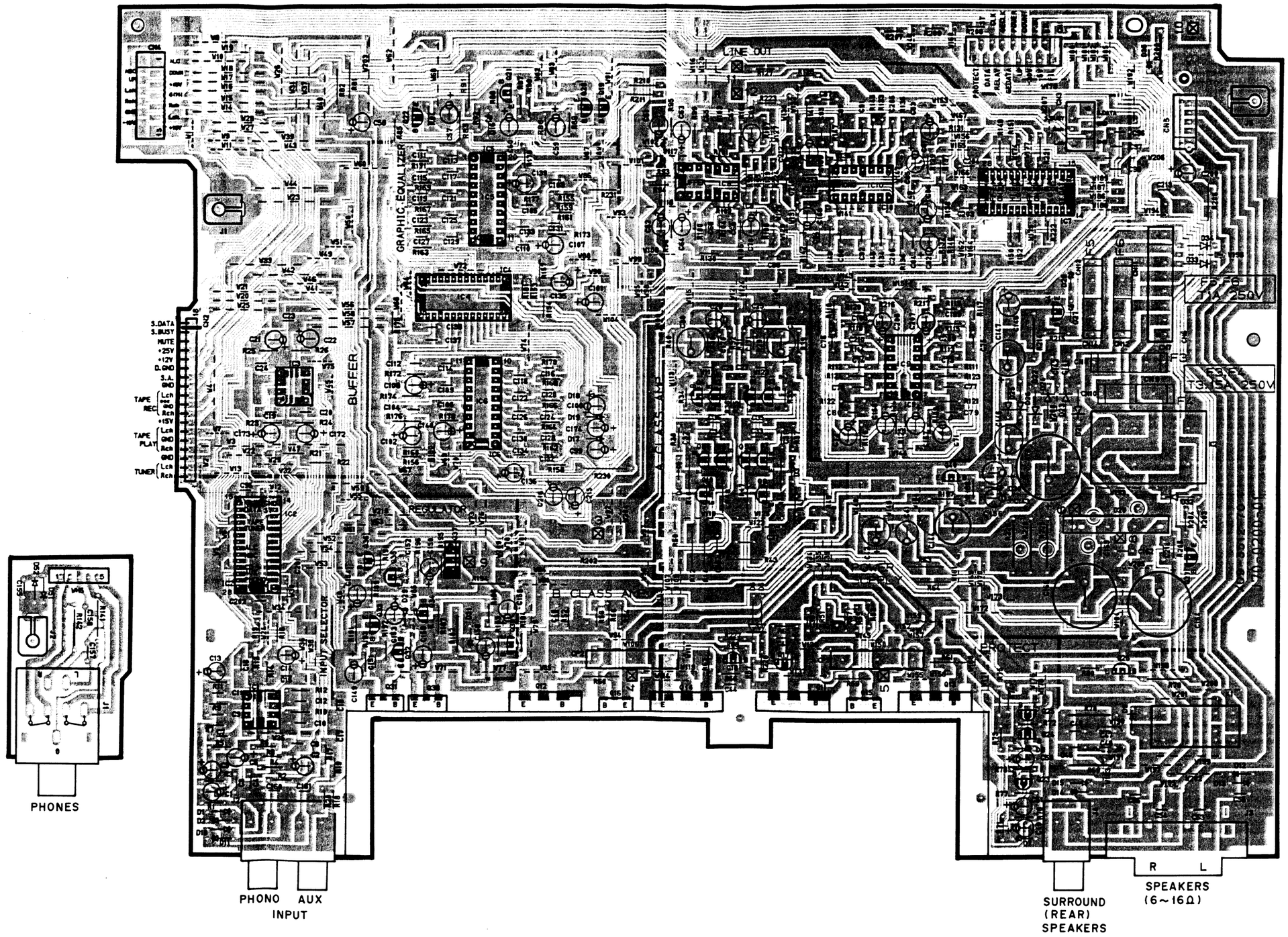
Y09-3962-70

RXD-26/26L

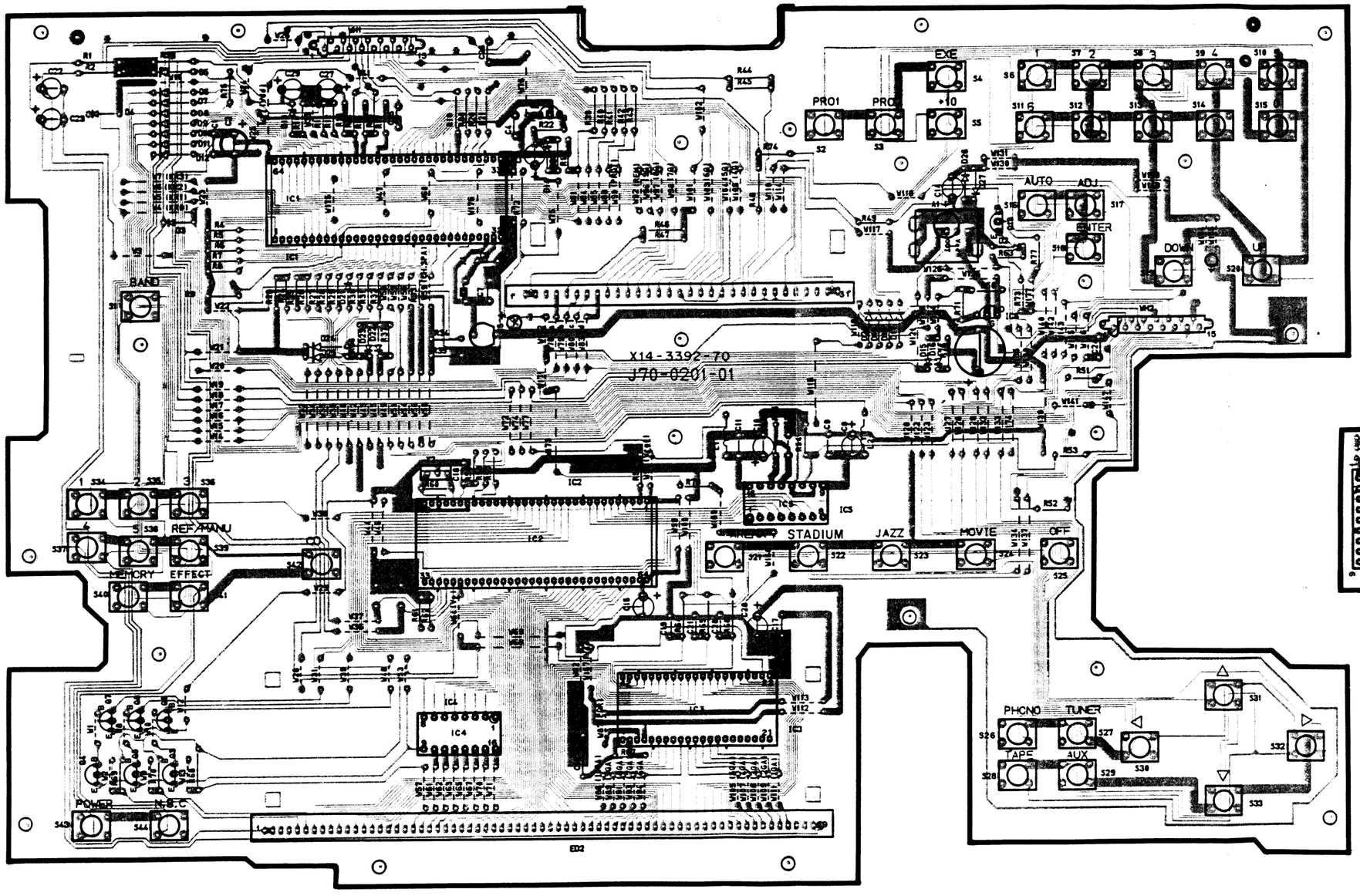
KENWOOD

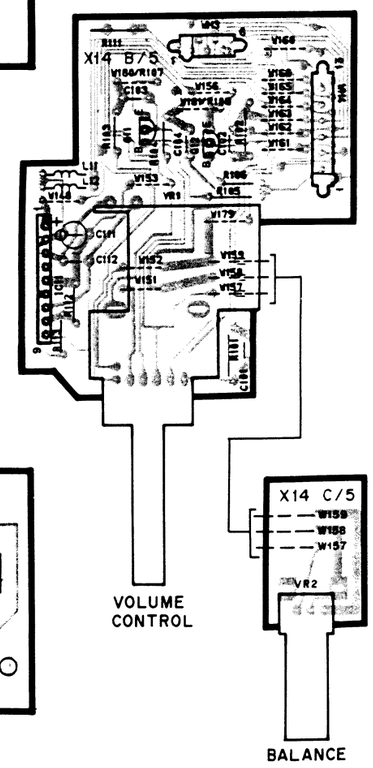
PC BOARD (COMPONENT SIDE VIEW)

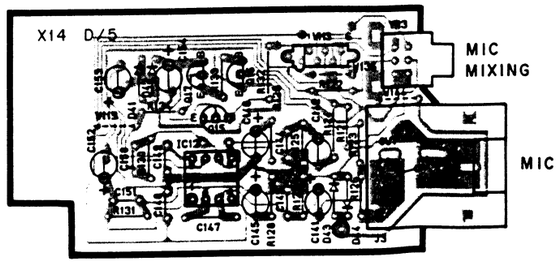


Refer to the schematic diagram for the values of resistors and capacitors.

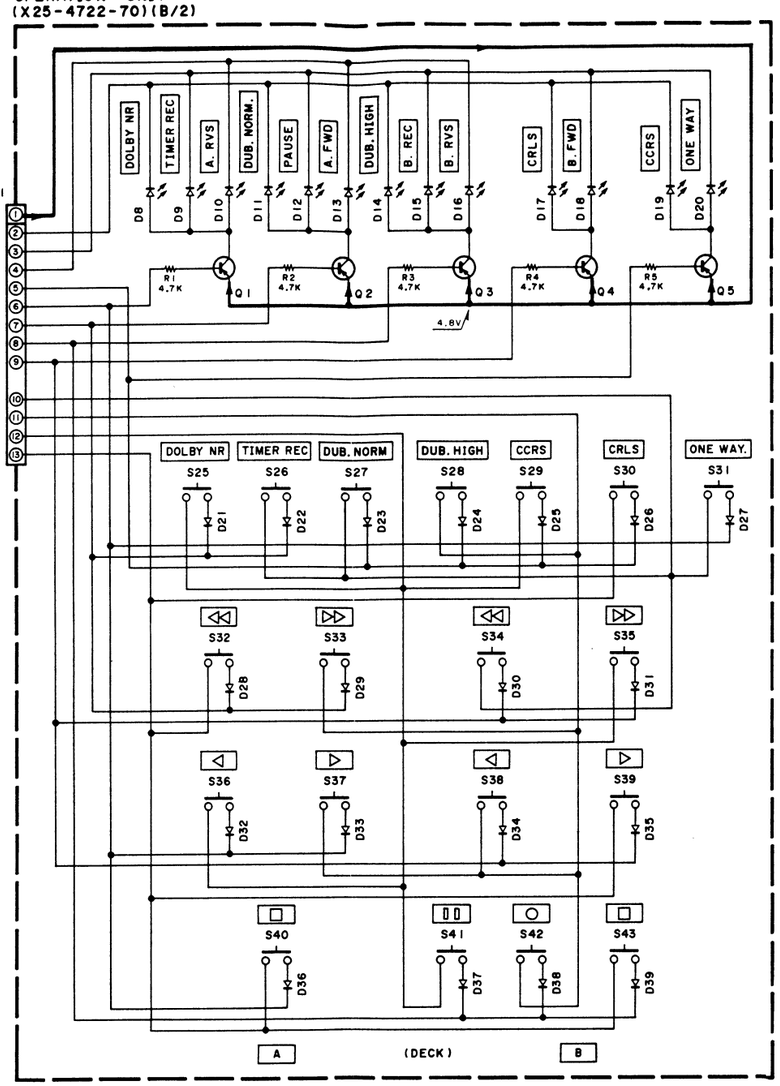
PC BOARD (COMPONENT SIDE VIEW)

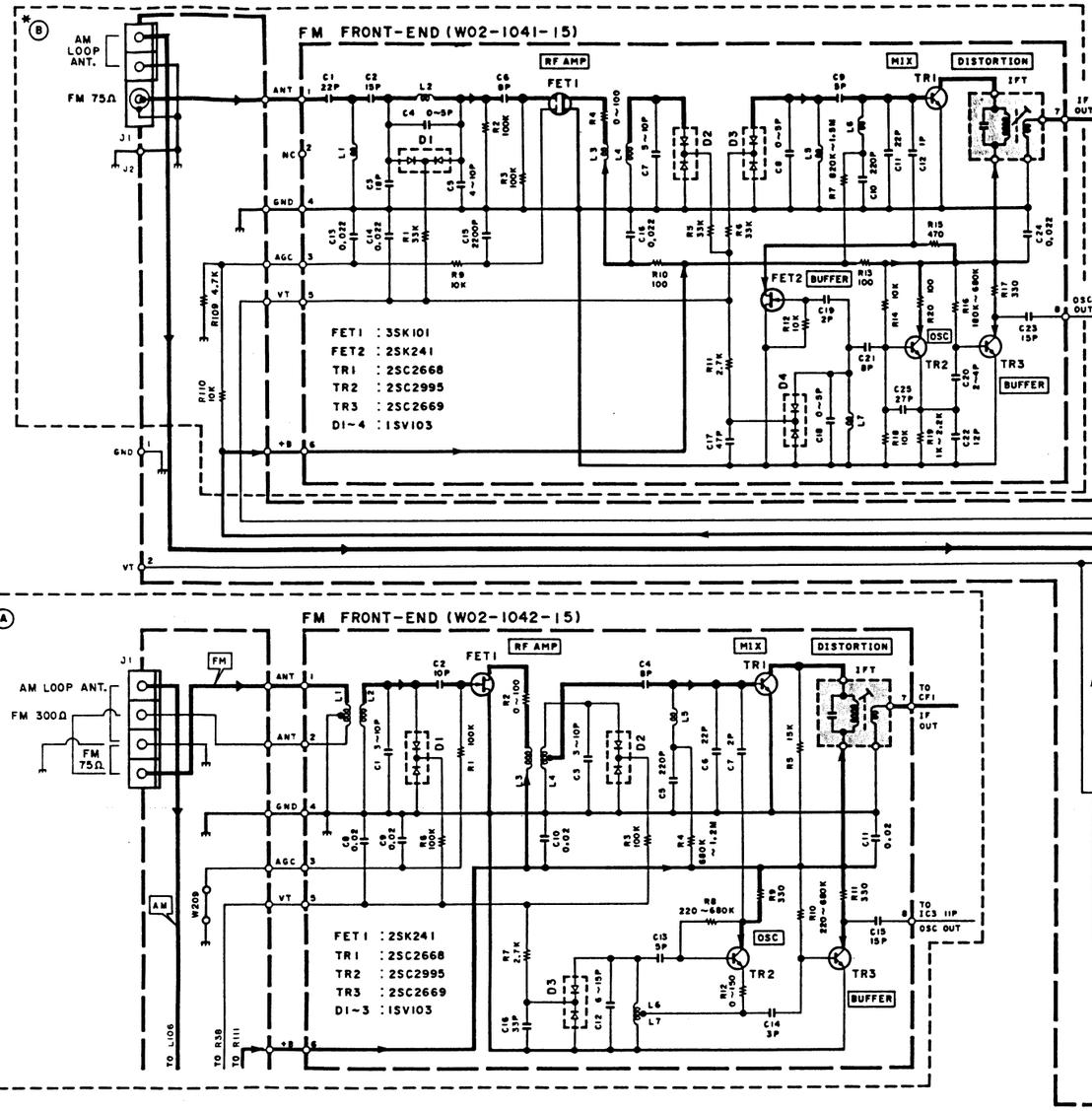


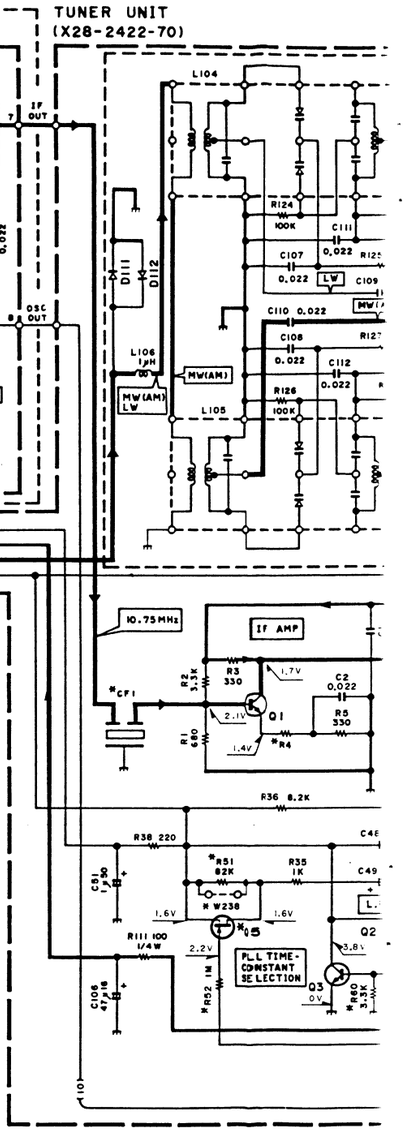


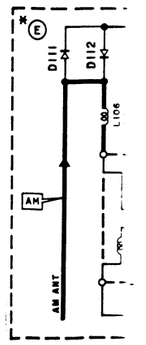


Refer to the schematic diagram for the values of resistors and capacitors.









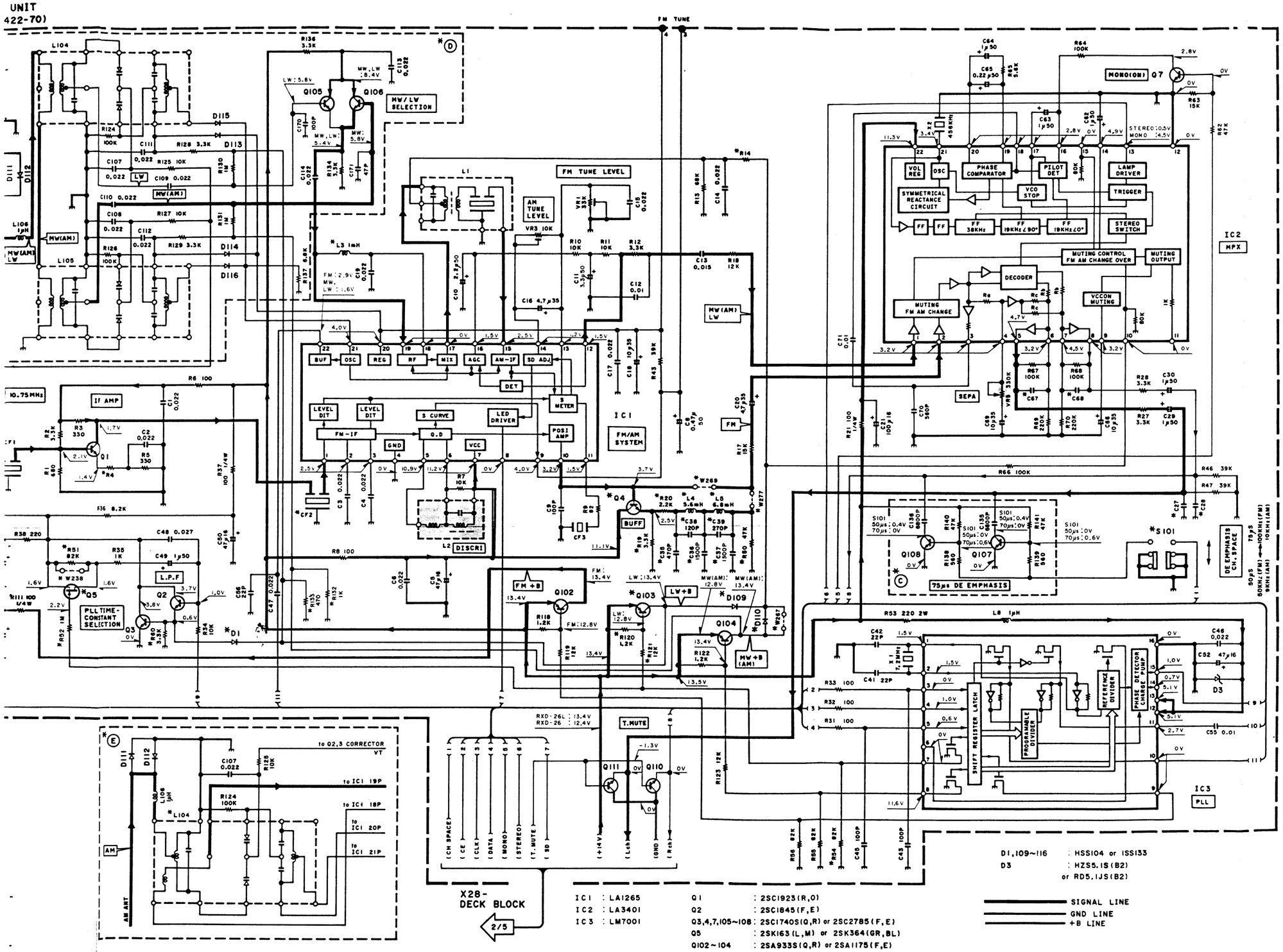
Q1~5 : 2SA954(L,K)
D8~20 : 830-1291-05
D21~39 : HSS104A or ISS131

KEY MATRIX

	KS1	KS2	KS3	KS4	KS5
KR1	ONE WAY	T.REC		◁◁	NDUB
KR2	▷	▷▷	○	◁	HDUB
KR3	◁	DOLBY	▯▯	▷▷	CCRS
KR4	□	◁◁	□	▷	CRLS
LED1	DOLBY	DUB.N.	DUB.H.	CRLS	CCRS
LED2	T.REC	PAUSE	REC	BFWD	ONE WAY
LED3	ARVS	AFWD	BRVS		

PRODUCT-P.	ABB.	UNIT NAME	A	B	C	D	E	R4	R14	R19,20,50~52, 54,120,121	R60	C27,28	C35~39, 108,109	C67,68	L3~5, 105	L104	Q4,5, 103	D1,109, 110	CF1,2	S101	W238,267, 269	W277
SINGAPORE MADE	T,E	2-70	NO	YES	NO	YES	NO	22	2.7K	YES	NO	0.013	YES	120P	YES	L39-0195-05	YES	YES	L72-0536-05	NO	NO	YES
	X	0-71	YES	NO																		
	Y	2-91			YES	NO	YES	56	4.7K	NO	YES	0.015	NO	100P	NO	L39-0189-05	NO	NO	L72-0531-05	YES	YES	NO
	M	0-21																				
JAPAN MADE	M	0-22	YES	NO	YES	NO	YES	56	4.7K	NO	YES	0.015	NO	100P	NO	L39-0189-05	NO	NO	L72-0531-05	YES	YES	NO

UNIT
422-701



IC1	: LA1265	
IC2	: LA3401	
IC3	: LM7001	
Q1	: 2SC1923(R,O)	
Q2	: 2SC1845(F,E)	
Q3,4,7,105~108	: 2SC1740S(Q,R) or 2SC2785(F,E)	
Q5	: 2SK163(L,M) or 2SK364(GR,BL)	
Q102~104	: 2SA933S(Q,R) or 2SA1175(F,E)	
Q110,111	: 2SD1302(S,T)	

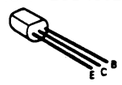
D1,109~116 : HSS104 or 1SS133
D3 : HZS5.1S(B2) or RD5.1JS(B2)

SIGNAL LINE
GND LINE
+B LINE

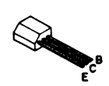
RXD-26/26L(E)(3/5)

Y09-3962-70

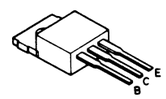
2SA1534A 2SA954 2SB772
2SA992 2SC1845
2SC1923 2SC2003
2SC2878 2SC3246
2SC3940A 2SD1302



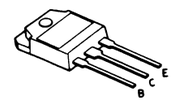
RN1203
RN1210



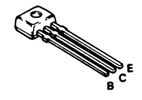
2SD1266



2SB1531
2SB2340



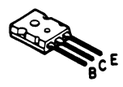
2SA1175
2SC2785



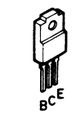
DTA124ES DTC124ES
DTC143TS RN2203
UN4112 2SA933S
2SC1740S

2SC4137

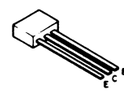
2SB1492
2SD2254



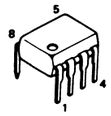
2SD1944



UN4212



NJM4558D
NJM4558D-A



- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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RXD-26/26L

KENWOOD

DISPLAY UNIT (X14-3392-70) (A/5)

X28-CN1 2/5 (F)

ED1 (TUNER FL)

ED2 (GE. FL)

REMOTE SENSOR (INSIDE FRONT GLASS OF TUNER)

A1

IC1

MAIN μ-COM (SEL. TUNER)

IC2

IC3

IC4

IC5

IC6

FL DRIVE

B.P.F

T. MUTE CONT

RESET

GE μ-COM (SEL. TUNER)

VF DISPLAY CONTROLLER (SEL

BACK UP CAPACITER

INVERTER

Q3~5

Q6~8

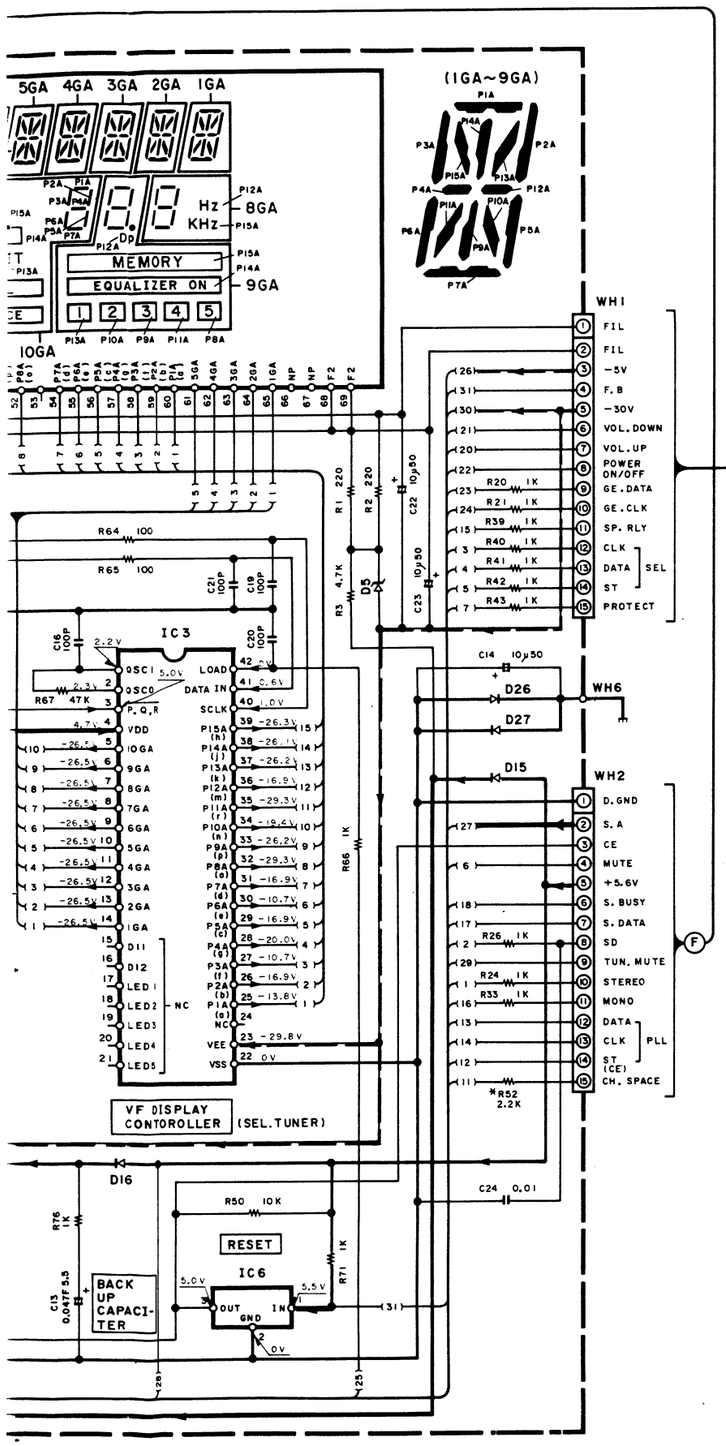
(TUNER)

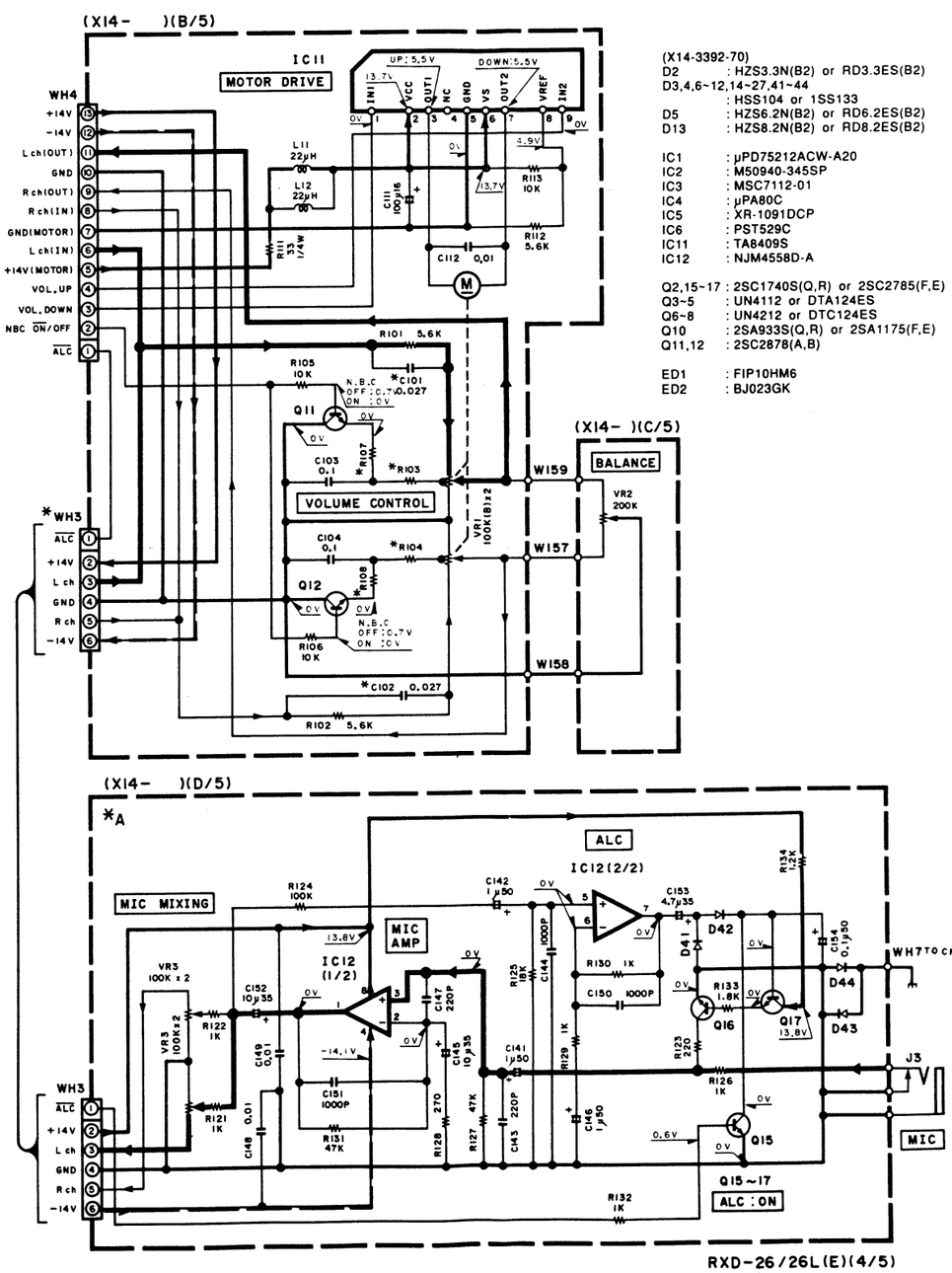
(GE CONTROL)

(GE PATTERN)

SIGNAL LINE
GND LINE
+B LINE
−B LINE

PRODUCT-P.	DESTINATION / COUNTRY	ABB.	UNIT NAM
SINGAPORE MADE	GENERAL MARK	M Y	X14-3390-2
	PX		
	AUSTRALIA	X	X14-3390-7
	ENGLAND EUROPE	T E	X14-3392-7
JAPAN MADE	GENERAL MARK	M	X14-3390-2





RXD-26/26L(E)(4/5)

X09-CN1 5/5 G

X09-CN4 5/5 H

(X14-3392-70)

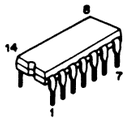
D2	: HZS3.3N(B2) or RD3.3ES(B2)
D3,4,6~12,14~27,41~44	: HSS104 or 1SS133
D5	: HZS6.2N(B2) or RD6.2ES(B2)
D13	: HZS8.2N(B2) or RD8.2ES(B2)
IC1	: μPD75212ACW-A20
IC2	: M50940-345SP
IC3	: MSC7112-01
IC4	: μPA80C
IC5	: XR-1091DCP
IC6	: PST529C
IC11	: TA8409S
IC12	: NJM4558D-A
Q2,15~17	: 2SC1740S(Q,R) or 2SC2785(F,E)
Q3~5	: UN4112 or DTA124ES
Q6~8	: UN4212 or DTC124ES
Q10	: 2SA933S(Q,R) or 2SA1175(F,E)
Q11,12	: 2SC2878(A,B)
ED1	: FIP10HM6
ED2	: BJ023GK

DESTINATION COUNTRY	ABB.	UNIT NAME	R34, 52	R35	D4	R107, 108	R103, 104	C101, 102	WH3	A
GENERAL MARKET PX	M Y	X14-3390-21	YES	NO	YES	51K	6.8K	YES	YES	YES
AUSTRALIA	X	X14-3390-71	NO	YES	YES	51K	6.8K	YES	YES	YES
ENGLAND EUROPE	T E	X14-3392-70	NO	YES	NO	2.2K	10K	NO	NO	NO
GENERAL MARKET	M	X14-3390-22	YES	NO	YES	51K	6.8K	YES	YES	YES

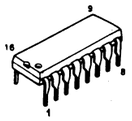
NJM4565D

UPC1330HA

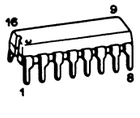
TC4066BP
UPC4574C



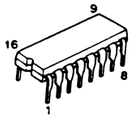
CXA1198AP
XR-1091DCP
XRU4051B



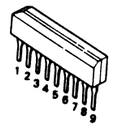
LM7001



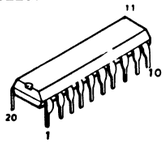
HA12136A TA2009P
TC4051BP TC9213P
UPA80C



TA8409S



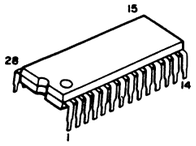
LA3246
M5229P



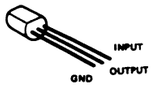
BA10393
RC4565D
UPC4570C-A

STA341M

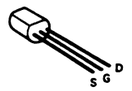
LC7522



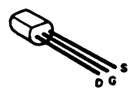
PST529C



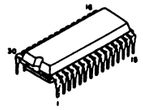
2SK246



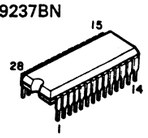
2SK163
2SK364



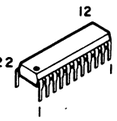
CXA1081S
CXA1244S



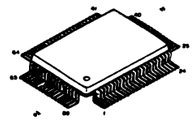
TC9162N
TC9163N
TC9237BN



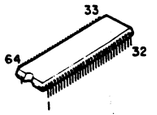
LA1265
LA3401



CXD1167Q



UPD75212ACW-A20
UPD75212ACW-157



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Y09-3962-70

RXD-26/26L

KENWOOD

SIGNAL LINE
RECORDING LINE
GND LINE
+B LINE
−B LINE

POWER TRANSFORMER 2/5 C

X32-WHI 1/5 A

X14-B/5-WH4 4/5 H

AUDIO UNIT (X09-3512-70)

CN3 S.DATA S.BUSY GND CD R ch GND L ch A

CN4 ALC NBC DR/OFF VOL. DOWN VOL. UP +14V L ch GND (MOTOR) R ch GND L ch −14V +14V H

To VR / From VR

J5 11 12

J2 L ch PHONO R ch

J1 L ch AUX R ch

IC1(1/2) IC1(2/2) EQ AMP

IC2 INPUT SELECTOR

PHONO AUX CD N.B.C ALC TUNER TAPE DATA CLK ST GND

IC3 (1/2) IC3 (2/2) BUFFER

IC10 (1/4) IC10 (2/4) IC10 (3/4) IC10 (4/4) MONO INVERTER

Q19 Q20 MUTE Q21 Q22 BUFFER MUTE DRIVE

IC7 PRESENCE SELECTOR

IC8 (1/4) IC8 (2/4) IC8 (3/4) IC8 (4/4) L-R

IC9 (1/4) IC9 (2/4) IC9 (3/4) IC9 (4/4) ADDER PHASE SHIFTER

X28-CN2 2/5 E

CN2 S.DATA S.BUSY MUTE +25V +12V D.GND S.A GND L ch GND R ch +14V L ch GND R ch GND L ch R ch

TAPE REC TAPE PLAY TUNER

X14-A/5-WH1 4/5 G

CN1 PROTECT SEL. ST DATA CLK RELAY(SP) GE CLK GE DATA POWER ON/OFF VOL. UP VOL. DOWN −30V FIRST B −5V FIL

LP SW / PRES	PHASE SIFT SW1	PHASE SIFT SW2	MONO LEVEL SW3	MONO LEVEL SW4	PRESENCE SW5	PRESENCE SW6	ECHO LEVEL SW7
	OFF SW1	ON SW1	HI SW3	LO SW3	OFF SW5	ON SW5	HI SW7
ARENA	1	0	0	0	0	1	1
STADIUM	0	1	0	1	0	1	1
MOVIE	0	1	1	1	0	1	0
JASS	1	0	1	0	0	1	0
PRESENCE OFF	1	0	0	0	1	0	0

IC7 1: ON, 0: OFF

PRODUCT-P.	DESTINATION COUNTRY	DESTINATION ABB.	UNIT NAME	J4	Q11, 12	Q13, 14	C7, 8	C45, 46
SINGAPORE MADE	GENERAL MARKET PX AUSTRALIA	M Y X	X09-3510-21	YES	2SD2254	2SB1492	560p	0.047
	ENGLAND EUROPE	T E	X09-3512-70	NO	2SD2340	2SB1531	1000p	0.1
JAPAN MADE	GENERAL MARKET	M	X09-3510-22	YES	2SD2254	2SB1492	560p	0.047

Q13, 14	C7, 8	C45, 46	C47, 48	C53, 54	C103, 104	R202
2SB1492	560p	0.047μ	W190, 191	1000p	NO	47 2W
2SB1531	1000p	0.1μ	0.1μ	5600p	YES	33 2W
2SB1492	560p	0.047μ	W190, 191	1000p	NO	47 2W

D51, 52: HSS104 or 1SS133

(X14-)(E/5)

SPEAKERS (6~16Ω)

SURROUND (REAR) SPEAKERS (8Ω or MORE)

PHONES

D1,2,10~15 : 1SS133 or HSS104
D3~6,8,9,33~35 : 1SS131 or HSS104A
D7 : RD4.7ES(B) or HZS4.7N(B)
D16 : RD3.9ES(B2) or HZS3.9N(B2)
D17,18 : RD6.8ES(B2) or HZS6.8N(B2)
D19 : RD5.1ES(B2) or HZS5.1N(B2)
D20 : RBV-402LFA or D3SBA20F03
D21~26,32 : S5688B or 1SR139-100
D27,29,31 : RD13ES(B2) or HZS13N(B2)
D28 : RD18ES(B) or HZS18N(B)
D30 : RD6.2ES(B2) or HZS6.2N(B2)

(X09-3512-70)
IC1,3 : NJM4580D-D or μPC4570C-A
IC2 : TC9163N
IC4 : LC7522
IC5,6 : M5229P
IC7 : TC9162N
IC8~10 : μPC4574C

Q1~4,9,10,23 : 2SA992(F,E)
Q5~8,17,18,22 : 2SC1845(F,E)
Q11,12 : *
Q13,14 : *
Q15,16 : 2SC4137(V,W)
Q19,20 : 2SC2878(B)
Q21,35,36 : 2SA1175(F,E) or 2SA933S(Q,R)
Q24~27,32~34,39 : 2SC1740S(Q,R) or 2SC2785(F,E)
Q31,37,38 : 2SD1266(Q,P)
Q40 : 2SA954(L,K)
Q41 : 2SB772

RXD-26/26L(E)(5/5)

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y09-3962-70

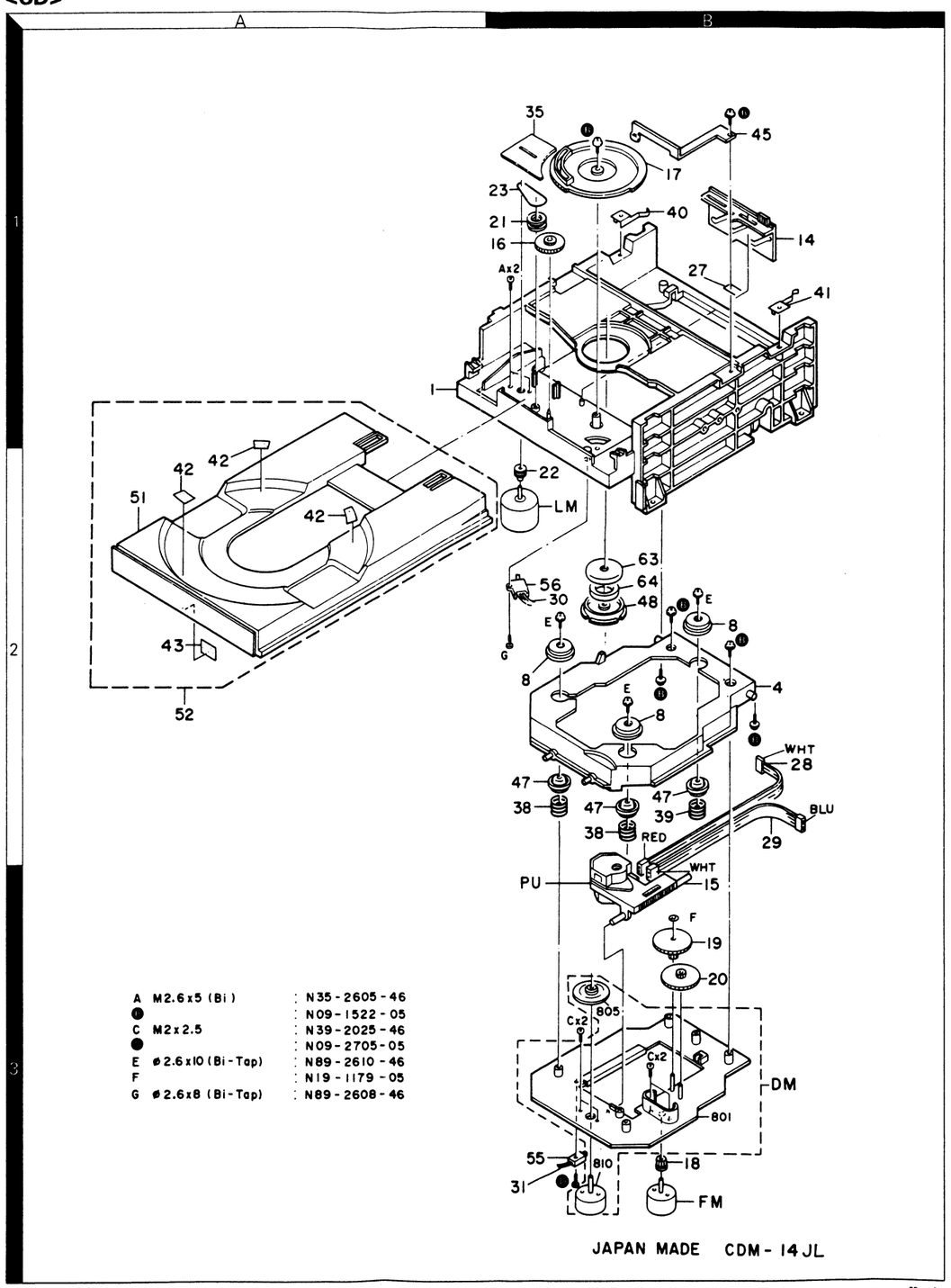
RXD-26/26L

KENWOOD

RXD-26/26L

EXPLODED VIEW (MECHANISM) : JAPAN MADE

<CD>



A	M2.6x5 (Bi)	: N35-2605-46
B		: N09-1522-05
C	M2x2.5	: N39-2025-46
D		: N09-2705-05
E	ø2.6x10 (Bi-Tap)	: N89-2610-46
F		: N19-1179-05
G	ø2.6x8 (Bi-Tap)	: N89-2608-46

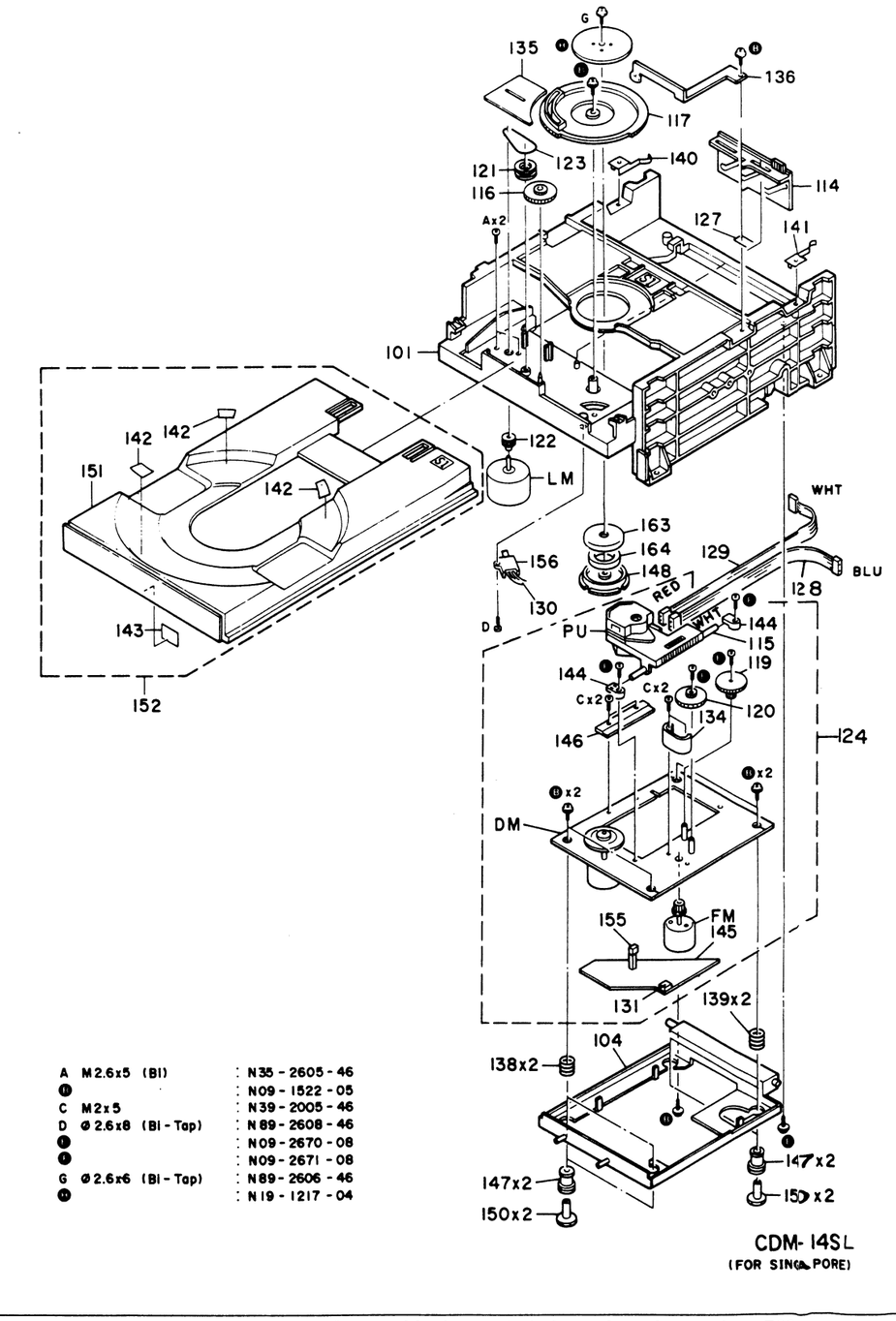
JAPAN MADE CDM-14JL

Parts with the exploded numbers larger than 700 are not supplied.

RXD-26/26L

EXPLODED VIEW (MECHANISM) : SINGAPORE MADE

<CD>



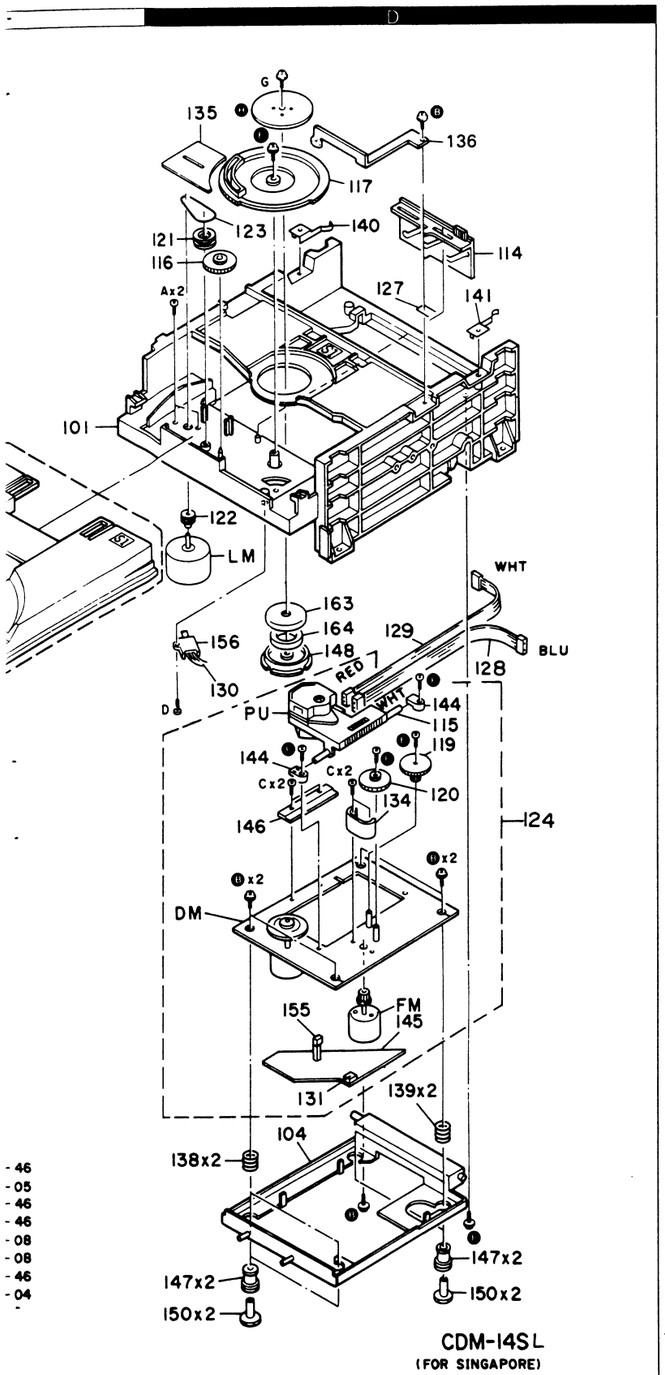
A	M2.6x5 (Bi)	: N35-2605-46
B		: N09-1522-05
C	M2x5	: N39-2005-46
D	ø2.6x8 (Bi-Tap)	: N89-2608-46
E		: N09-2670-08
F		: N09-2671-08
G	ø2.6x6 (Bi-Tap)	: N89-2606-46
H		: N19-1217-04

CDM-14SL
(FOR SINGAPORE)

Parts with the exploded numbers larger than 700 are not suppl

RXD-26/26L

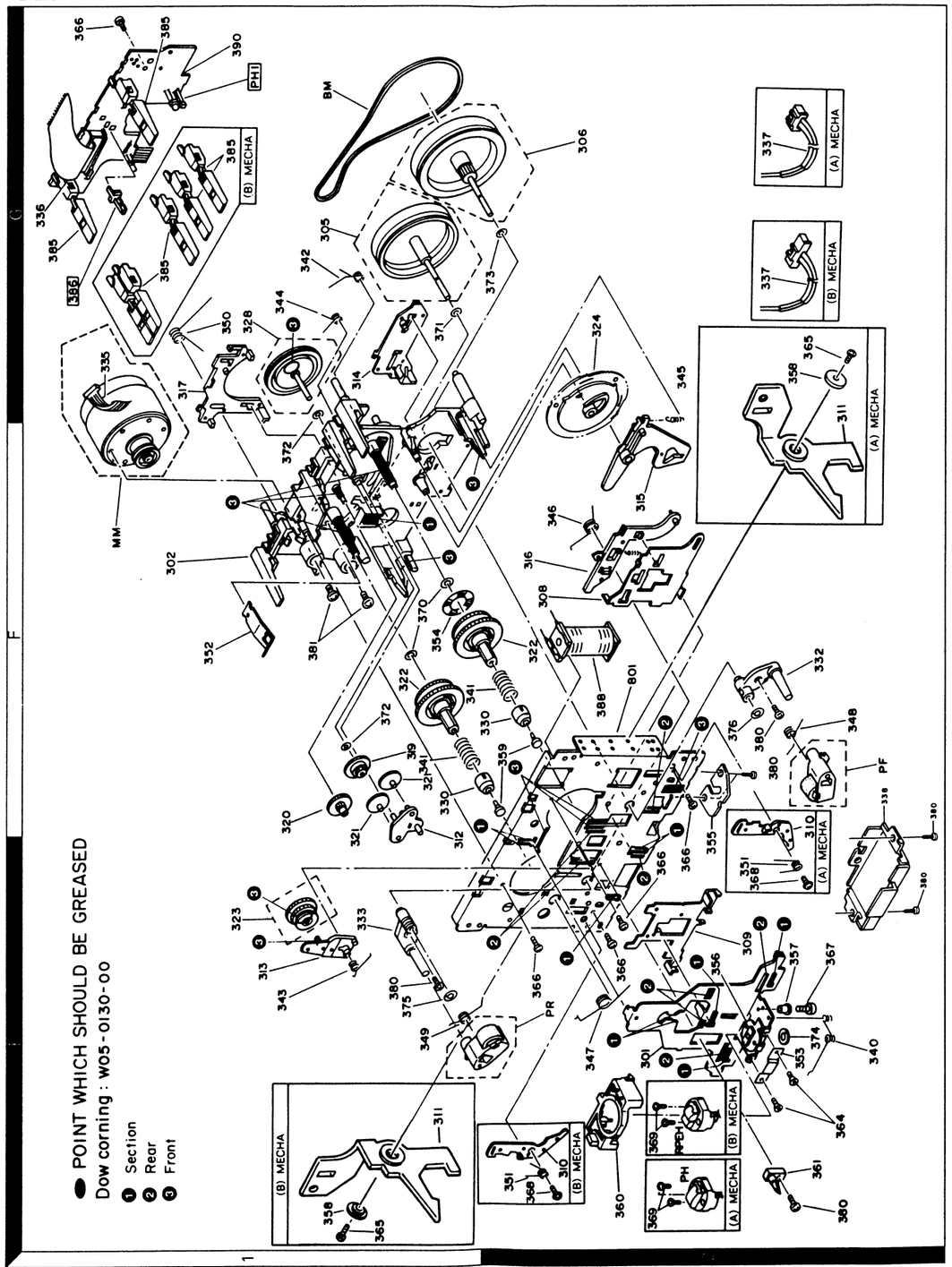
MECHANISM) : SINGAPORE MADE



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (MECHANISM)

<DECK>



● POINT WHICH SHOULD BE GREASED
Dow corning : W05-0130-00
❶ Section
❷ Rear
❸ Front

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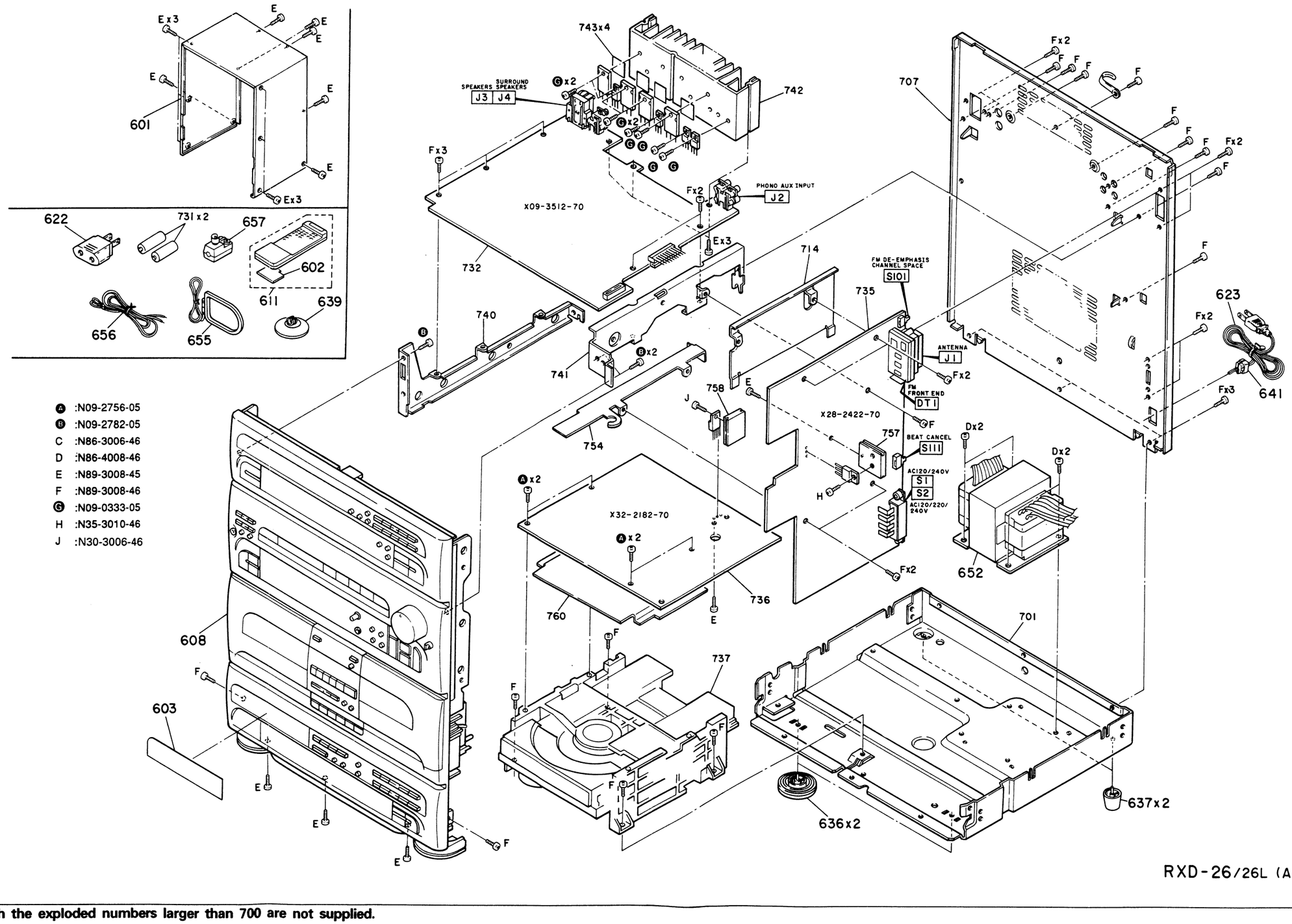
EXPLODED VIEW (UNIT)



- Ⓐ :N09-2756-05
- Ⓑ :N09-2782-05
- C :N86-3006-46
- D :N86-4008-46
- E :N89-3008-45
- F :N89-3008-46
- Ⓖ :N09-0333-05
- H :N35-3010-46
- J :N30-3006-46

RXD-26/26L (A/2)

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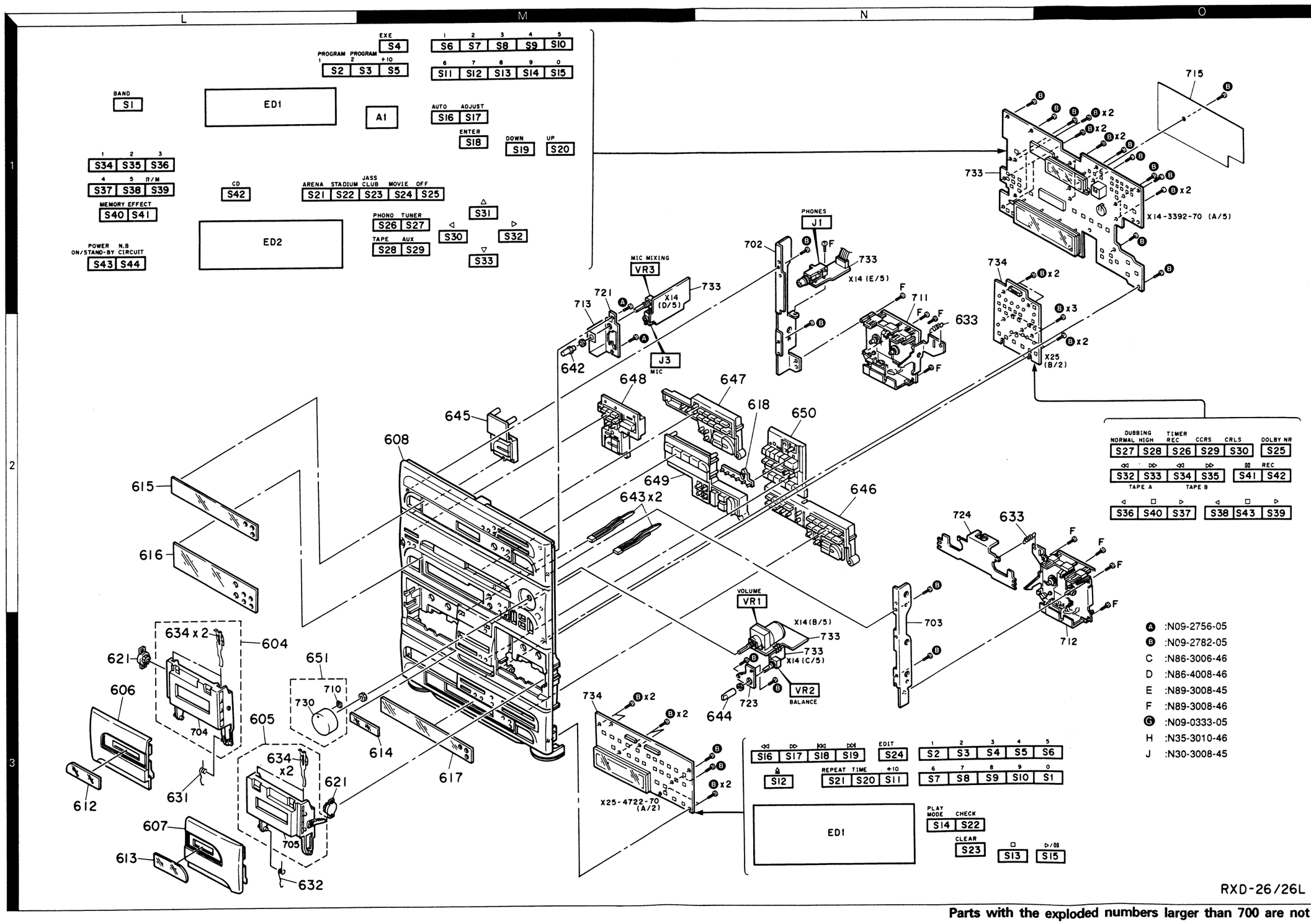
EXPLODED VIEW (UNIT)



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❶

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
			RXD-26/26L			
601	1H	*	A01-2906-01	METALLIC CABINET		S
602	1H		A09-0109-08	BATTERY COVER		
603	3H	*	A29-0200-03	PANEL(CD TRAY)		S
604	3L	*	A53-1326-03	CASSETTE HOLDER ASSY(A)		
605	3L	*	A53-1324-03	CASSETTE HOLDER ASSY(B)		
606	3L	*	A53-1329-02	CASSETTE LID(A)		
607	3L	*	A53-1328-02	CASSETTE LID(B)		
608	2M,3H	*	A60-0159-01	PANEL(RXD-26L)	ET	
608	2M,3H	*	A60-0160-01	PANEL(RXD-26)	YMX	
611	2H	*	A70-0572-05	REMOTE CONTROLLER ASSY		
612	3L	*	B03-2757-04	DRESSING PLATE(CASSETTE A)		S
613	3L	*	B03-2758-04	DRESSING PLATE(CASSETTE B)		S
614	3M	*	B03-2759-04	DRESSING PLATE(DECK DISPLAY)		S
615	2L	*	B10-1900-03	FRONT GLASS(TUNER DISPLAY)		S
616	2L	*	B10-1901-03	FRONT GLASS(GE DISPLAY)	ET	S
616	2L	*	B10-1902-13	FRONT GLASS(GE DISPLAY)	YMX	S
617	3M	*	B10-1903-03	FRONT GLASS(CD DISPLAY)		S
618	2N	*	B12-0186-04	INDICATOR		
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0096-23	WARRANTY CARD	X	
-			B46-0122-23	WARRANTY CARD	E	
-			B46-0143-13	WARRANTY CARD	T	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B60-0697-00	INSTRUCTION MANUAL(ENGLISH)		S
-		*	B60-0698-00	INSTRUCTION MANUAL(GER,FRE)	E	S
-		*	B60-0699-00	INSTRUCTION MANUAL(SPANISH)	EM	S
-		*	B60-0700-00	INSTRUCTION MANUAL(DUT,ITA)	E	S
-		*	B60-0825-00	INSTRUCTION MANUAL(CHINESE)	M	S
621	3L		D39-0176-05	DAMPER		
⚠622	1H		E03-0115-05	AC PLUG ADAPTER	M	
⚠623	2K		E30-2592-15	AC POWER CORD	EM	
⚠623	2K		E30-2593-15	AC POWER CORD	T	
⚠623	2K		E30-2594-15	AC POWER CORD	X	
⚠623	2K		E30-2605-05	AC POWER CORD	Y	
631	3L		G01-2270-04	TORSION COIL SPRING(A)		
632	3L		G01-2271-04	TORSION COIL SPRING(B)		
633	2N		G01-3318-04	EXTENSION SPRING		
634	3L		G02-0944-04	FLAT SPRING		
-		*	H10-5235-02	POLYSTYRENE FOAMED FIXTURE		S
-		*	H10-5236-02	POLYSTYRENE FOAMED FIXTURE		S
-			H12-2087-04	PACKING FIXTURE		S
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	EYMX	
-			H25-0377-04	PROTECTION BAG	EYXT	
-			H25-0394-04	PROTECTION BAG	M	
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-		*	H50-0199-04	ITEM CARTON CASE(RXD-26L)	E	S
-		*	H50-0200-04	ITEM CARTON CASE(RXD-26,S)	M	S
-		*	H50-0201-04	ITEM CARTON CASE(RXD-26L)	T	S
-		*	H50-0305-04	ITEM CARTON CASE(RXD-26,J)	M	S
-		*	H50-0307-04	ITEM CARTON CASE(RXD-26)	YX	S

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Y:AAFES(Europe) X:Australia M:Other Areas

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❷

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
636	3J		J02-1013-05	FOOT(FRONT)		
637	3K		J02-0366-15	FOOT(REAR)		
639	2I		J19-2815-04	ANTENNA HOLDER		
⚠641	2K		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
642	2M		K29-2737-04	KNOB(MIC MIXING)	YMX	
643	2M		K29-3737-04	KNOB(EJECT)		
644	3N		K29-3960-04	KNOB(BALANCE)		
645	2M		K29-4334-03	KNOB(BAND)		
646	2N	*	K29-4335-02	KNOB(1-0,EDIT,REPEAT)		
647	2N	*	K29-4336-02	KNOB(1-0,EXE.,PROGRAM)		
648	2M	*	K29-4337-02	KNOB(1-5,R/M,MEMORY,EFFECT)		
649	2M	*	K29-4338-02	KNOB(PRESENCE MODE)		
650	2N	*	K29-4339-02	KNOB(DUBBING NORMAL,HIGH)		
651	3L	*	K29-4379-04	KNOB ASSY(VOLUME CONTROL)		
⚠652	2J	*	L07-0444-05	POWER TRANSFORMER	E	
⚠652	2J	*	L07-0445-05	POWER TRANSFORMER		
⚠652	2J	*	L07-0446-05	POWER TRANSFORMER	X	
⚠652	2J	*	L07-0447-05	POWER TRANSFORMER	M	
⚠652	2J	*	L07-0448-05	POWER TRANSFORMER	Y	
A	1M,2I		N09-2756-05	SET SCREW (M3X8)		
B	1Ø,3M		N09-2782-05	TAPTITE SCREW (2.6X8)		
C	2N		N86-3006-46	BINDING HEAD TAPTITE SCREW		
D	2J,2K		N86-4008-46	BINDING HEAD TAPTITE SCREW		
E	1H,3I		N89-3008-45	BINDING HEAD TAPTITE SCREW		
F	1K,3I		N89-3008-46	BINDING HEAD TAPTITE SCREW		
655	2H		T90-0174-05	LOOP ANTENNA		S
656	2H		T90-0175-05	T TYPE ANTENNA		
657	1H		T90-0177-05	ANTENNA ADAPTOR	ET	
			AUDIO UNIT (X09-3512-70)			
C1 ,2			CE04LW1V100M	ELECTRO 10UF 35WV		
C3 ,4			CC45FSL1H221J	CERAMIC 220PF J		
C5 ,6			CE04LW1A470M	ELECTRO 47UF 10WV		
C7 ,8			CK45FB1H102K	CERAMIC 1000PF K	ET	
C7 ,8			CK45FB1H561K	CERAMIC 560PF K	YMX	
C9 ,10			CQ92FM1H123J	MYLAR 0.012UF J		
C11 ,12			CK45FB1H332K	CERAMIC 3300PF K		
C13 ,14			CE04LW1V100M	ELECTRO 10UF 35WV		
C15 ,16			CK45FF1H103Z	CERAMIC 0.010UF Z		
C17 ,18			CC45FSL1H221J	CERAMIC 220PF J		
C19 ,20			CC45FSL1H470J	CERAMIC 47PF J		
C21 ,22			CE04LW1V100M	ELECTRO 10UF 35WV		
C23 ,24			CK45FF1H103Z	CERAMIC 0.010UF Z		
C25 ,26			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C27 ,28			CC45FSL1H680J	CERAMIC 68PF J		
C29 ,30			CE04LW1A101M	ELECTRO 100UF 10WV		
C31 -34			CC45FSL1H101J	CERAMIC 100PF J		
C35 ,36			CC45FSL1H020C	CERAMIC 2.0PF C		
C37 ,38			CC45FSL1H221J	CERAMIC 220PF J		
C39 ,40			CK45FF1H103Z	CERAMIC 0.010UF Z		
C41			CE04LW1H470M	ELECTRO 47UF 50WV		
C42			CE04LW1H101M	ELECTRO 100UF 50WV		
C43 ,44			CK45FF1H103Z	CERAMIC 0.010UF Z		
C45 ,46			CF92FV1H104J	MF 0.10UF J	ET	

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C45 ,46			CF92FV1H473J	MF 0.047UF J	YMX	
C47 ,48			CF92FV1H104J	MF 0.10UF J	ET	
C49			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C50			CE04LW1A101M	ELECTRO 100UF 10WV		
C51			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C53 ,54			CK45FB1H102K	CERAMIC 1000PF K	YMX	
C53 ,54			CQ92FM1H562J	MYLAR 5600PF J	ET	
C55 ,56			CK45FF1H103Z	CERAMIC 0.010UF Z		
C57			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C58 ,59			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C61 ,62			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C63 ,64			CE04LW1V100M	ELECTRO 10UF 35WV		
C65 ,66			CC45FSL1H220J	CERAMIC 22PF J		
C67 ,68			CK45FB1H391K	CERAMIC 390PF K		
C69 ,70			CE04LW1V100M	ELECTRO 10UF 35WV		
C71 ,72			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C73 ,74			CQ92FM1H153J	MYLAR 0.015UF J		
C75 ,76			CK45FB1H681K	CERAMIC 680PF K		
C77 ,78			CC45FSL1H220J	CERAMIC 22PF J		
C79 ,80			CK45FB1H561K	CERAMIC 560PF K		
C81 ,82			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C83 ,84			CC45FSL1H100D	CERAMIC 10PF D		
C85 ,86			CE04LW1V100M	ELECTRO 10UF 35WV		
C87 ,88			CQ92FM1H153J	MYLAR 0.015UF J		
C89 ,90			CK45FB1H102K	CERAMIC 1000PF K		
C91 ,92			CC45FSL1H220J	CERAMIC 22PF J		
C93 ,94			CC45FSL1H331J	CERAMIC 330PF J		
C95 -97			CK45FB1H102K	CERAMIC 1000PF K		
C98			CC45FSL1H221J	CERAMIC 220PF J		
C99 ,100			CE04LW1A101M	ELECTRO 100UF 10WV		
C101,102			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C103,104			CC45FSL1H221J	CERAMIC 220PF J	ET	
C105,106			CK45FB1H471K	CERAMIC 470PF K		
C107,108			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C109,110			CF92FV1H224J	MF 0.22UF J		
C111,112			CF92FV1H474J	MF 0.47UF J		
C113,114			CF92FV1H913J	MF 0.091UF J		
C115,116			CF92FV1H184J	MF 0.18UF J		
C117,118			CF92FV1H333J	MF 0.033UF J		
C119,120			CF92FV1H683J	MF 0.068UF J		
C121,122			CQ92FM1H133J	MYLAR 0.013UF J		
C123,124			CF92FV1H303J	MF 0.030UF J		
C125,126			CQ92FM1H562J	MYLAR 5600PF J		
C127,128			CQ92FM1H123J	MYLAR 0.012UF J		
C129,130			CK45FB1H222K	CERAMIC 2200PF K		
C131,132			CQ92FM1H472J	MYLAR 4700PF J		
C133,134			CK45FB1H821K	CERAMIC 820PF K		
C135,136			CE04LW1V100M	ELECTRO 10UF 35WV		
C137,138			CK45FB1H102K	CERAMIC 1000PF K		
C139,140			CE04LW1V100M	ELECTRO 10UF 35WV		
C141,142			CK45FF1H103Z	CERAMIC 0.010UF Z		
C143			CE04LW1V332M	ELECTRO 3300UF 35WV		
C144			CE04LW1V471M	ELECTRO 470UF 35WV		
C145			CE04LW1H101M	ELECTRO 100UF 50WV		
C146			CE04LW1V470M	ELECTRO 47UF 35WV		

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C147			CE04LW1J101M	ELECTRO 100UF 63WV		
C149,150			CE04LW1C220M	ELECTRO 22UF 16WV		
C151,152			CK45FB1H102K	CERAMIC 1000PF K		
C153-158			CE04LW1C470M	ELECTRO 47UF 16WV		
C159			CE04LW1C101M	ELECTRO 100UF 16WV		
C160-163			CK45FF1H103Z	CERAMIC 0.010UF Z		
C164,165			C90-1780-05	ELECTRO 4700UF 50WV		
C166-169			CE04LW1V100M	ELECTRO 10UF 35WV		
C170,171			CC45FSL1H221J	CERAMIC 220PF J		
C172,173			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C174			CE04LW1A470M	ELECTRO 47UF 10WV		
C198,199			CK45FB1H821K	CERAMIC 820PF K		
C200			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C201-204			CK45FF1H103Z	CERAMIC 0.010UF Z		
C205,206			CC45FSL1H220J	CERAMIC 22PF J		
C207,208			CE04LW1V100M	ELECTRO 10UF 35WV		
C209,210			CC45FSL1H220J	CERAMIC 22PF J		
C211-213			CK45FF1H103Z	CERAMIC 0.010UF Z		
C214			CF92FV1H224J	MF 0.22UF J		
J2	1J		E13-1405-05	PHONO JACK(PHONO,AUX)		
J3	1I		E20-0475-05	LOCK TERMINAL BOARD(SPEAKERS)		
J4	1I		E13-0235-05	PHONO JACK(SURROUND SPEAKERS)	YMX	
⚠F3 ,4			F05-3121-05	FUSE (SEMKO) (250V T3.15A)		
⚠F5 ,6			F06-1022-05	FUSE (SEMKO) (250V T1A)		
CN7 -14			J13-0075-05	FUSE CLIP		
E	1J		N09-3008-45	BINDING HEAD TAPTITE SCREW		
F	1I,1J		N89-3008-46	BINDING HEAD TAPTITE SCREW		
G	1I		N09-0333-05	TAPPING SCREW (3X12)		
CP1 ,2			R90-0840-05	COMPOSITE ELEMENTS(0.22X2 5W)		
R27 ,28			RD14NB2E101J	RD 100 J 1/4W		
R39 ,40			RN14BK2C3830FTS	RN 383.0 F 1/6W		
R41 -44			RD14NB2E221J	RD 220 J 1/4W		
R45 ,46			RD14NB2E392J	RD 3.9K J 1/4W		
R47 ,48			RD14NB2E271J	RD 270 J 1/4W		
R49 ,50			RN14BK2C4752FTS	RN 47.5K F 1/6W		
R59 -62			RD14NB2E4R7J	RD 4.7 J 1/4W		
R63 ,64			RD14NB2E101J	RD 100 J 1/4W		
R69 ,70			RS14KB3D100J	FL-PROOF RS 10 J 2W		
R182			RS14KB3A122J	FL-PROOF RS 1.2K J 1W		
R191			RD14NB2E101J	RD 100 J 1/4W		
R194			RS14KB3A270J	FL-PROOF RS 27 J 1W		
R197			R92-0341-05	CARBON FILM RESISTOR(4.7 1/4W)		
R200		*	RS14KB3A272J	FL-PROOF RS 2.7K J 1W		
R202			RS14KB3D330J	FL-PROOF RS 33 J 2W	ET	
R202			RS14KB3D470J	FL-PROOF RS 47 J 2W	YMX	
R206			RD14NB2E4R7J	RD 4.7 J 1/4W		
R214			RS14KB3A101J	FL-PROOF RS 100 J 1W		
R225			RS14KB3D561J	FL-PROOF RS 560 J 2W		
R228,229			RS14KB3D561J	FL-PROOF RS 560 J 2W		
K1			S76-0005-05	MAGNETIC RELAY(SPEAKER ON/OFF)		
K2			S76-0015-05	MAGNETIC RELAY(POWER ON/OFF)		

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D3 -6			HSS104A	DIODE		
D3 -6			1SS131	DIODE		
D7			HZS4.7N(B)	ZENER DIODE		
D7			RD4.7ES(B)	ZENER DIODE		
D8 ,9			HSS104A	DIODE		
D8 ,9			1SS131	DIODE		
D10 -15			HSS104	DIODE		
D10 -15			1SS133	DIODE		
D16			HZS3.9N(B2)	ZENER DIODE		
D16			RD3.9ES(B2)	ZENER DIODE		
D17 ,18			HZS6.8N(B2)	ZENER DIODE		
D17 ,18			RD6.8ES(B2)	ZENER DIODE		
D19			HZS5.1N(B2)	ZENER DIODE		
D19			RD5.1ES(B2)	ZENER DIODE		
⚠ D20			D3SBA20F03	DIODE		
⚠ D20			RBV-402LFA	DIODE		
D21 -26			S5688B	DIODE		
D21 -26			1SR139-100	DIODE		
D27			HZS13N(B2)	ZENER DIODE		
D27			RD13ES(B2)	ZENER DIODE		
D28			HZS18N(B)	ZENER DIODE		
D28			RD18ES(B)	ZENER DIODE		
D29			HZS13N(B2)	ZENER DIODE		
D29			RD13ES(B2)	ZENER DIODE		
D30			HZS6.2N(B2)	ZENER DIODE		
D30			RD6.2ES(B2)	ZENER DIODE		
D31			HZS13N(B2)	ZENER DIODE		
D31			RD13ES(B2)	ZENER DIODE		
D32			S5688B	DIODE		
D32			1SR139-100	DIODE		
D33 -35			HSS104A	DIODE		
D33 -35			1SS131	DIODE		
IC1			NJM4580D-D	IC(OP AMP X2)		
IC1			UPC4570C-A	IC(OP AMP)		
IC2			TC9163N	IC(BILATERAL SWITCH X16)		
IC3			NJM4580D-D	IC(OP AMP X2)		
IC3			UPC4570C-A	IC(OP AMP)		
IC4			LC7522	IC(7CH GRAPHIC EQUALIZER)		
IC5 ,6			M5229P	IC(7CH GRAPHIC EQUALIZER)		
IC7			TC9162N	IC(ANALOG SWITCH ARRAY)		
IC8 -10			UPC4574C	IC(OP AMP X4)		
Q1 -4			2SA992(F,E)	TRANSISTOR		
Q5 -8			2SC1845(F,E)	TRANSISTOR		
Q9 ,10			2SA992(F,E)	TRANSISTOR		
⚠ Q11 ,12			2SD2254	TRANSISTOR	YMX	
⚠ Q11 ,12			2SD2340	TRANSISTOR	ET	
⚠ Q13 ,14			2SB1492	TRANSISTOR	YMX	
⚠ Q13 ,14			2SB1531	TRANSISTOR	ET	
Q15 ,16			2SC4137(V,W)	TRANSISTOR		
Q19 ,20			2SC2878(B)	TRANSISTOR		
Q21			2SA1175(F,E)	TRANSISTOR		
Q21			2SA933S(Q,R)	TRANSISTOR		

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Q22			2SC1845(F,E)	TRANSISTOR		
Q23			2SA992(F,E)	TRANSISTOR		
Q24 -27			2SC1740S(Q,R)	TRANSISTOR		
Q24 -27			2SC2785(F,E)	TRANSISTOR		
Q31			2SD1266(Q,P)	TRANSISTOR		
Q32 -34			2SC1740S(Q,R)	TRANSISTOR		
Q32 -34			2SC2785(F,E)	TRANSISTOR		
Q35 ,36			2SA1175(F,E)	TRANSISTOR		
Q35 ,36			2SA933S(Q,R)	TRANSISTOR		
Q37 ,38			2SD1266(Q,P)	TRANSISTOR		
Q39			2SC1740S(Q,R)	TRANSISTOR		
Q39			2SC2785(F,E)	TRANSISTOR		
Q40			2SA954(L,K)	TRANSISTOR		
Q41			2SB772	TRANSISTOR		
DISPLAY UNIT (X14-3392-70)						
C1			CK45FF1H103Z	CERAMIC 0.010UF Z		
C2			CE04JW1A101M	ELECTRO 100UF 10WV		
C3			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C4			CK45FF1H103Z	CERAMIC 0.010UF Z		
C5			CE04JW1H010M	ELECTRO 1.0UF 50WV		
C6 ,7			CC45FCH1H270J	CERAMIC 27PF J		
C8			CE04LW1A101M	ELECTRO 100UF 10WV		
C9			CK45FF1H103Z	CERAMIC 0.010UF Z		
C10			CE04LW1A101M	ELECTRO 100UF 10WV		
C11			CK45FF1H103Z	CERAMIC 0.010UF Z		
C12			CC93FCH1H102J	CERAMIC 1000PF J		
C13			C90-1827-05	BACKUP 0.047F 5.5WV		
C14			CE04LW1H100M	ELECTRO 10UF 50WV		
C15			CE04LW1A101M	ELECTRO 100UF 10WV		
C16			C91-0745-05	CERAMIC 100PF K		
C17 ,18			CK45FF1H103Z	CERAMIC 0.010UF Z		
C19 -21			CC45FSL1H101J	CERAMIC 100PF J		
C22 ,23			CE04LW1H100M	ELECTRO 10UF 50WV		
C24			CK45FF1H103Z	CERAMIC 0.010UF Z		
C25		*	CK45FF1H104Z	CERAMIC 0.10UF Z		
C26			CK45FF1H103Z	CERAMIC 0.010UF Z		
C27			CE04LW1H100M	ELECTRO 10UF 50WV		
C28			CE04LW1A101M	ELECTRO 100UF 10WV		
C29			CE04LW1H100M	ELECTRO 10UF 50WV		
C101,102			CF92FV1H273J	MF 0.027UF J	YMX	
C103,104			CF92FV1H104J	MF 0.10UF J		
C111			CE04LW1C101M	ELECTRO 100UF 16WV		
C112			CK45FF1H103Z	CERAMIC 0.010UF Z		
C141,142			CE04LW1H010M	ELECTRO 1.0UF 50WV	YMX	
C143			CC45FSL1H221J	CERAMIC 220PF J	YMX	
C144			CK45FB1H102K	CERAMIC 1000PF K	YMX	
C145			CE04LW1V100M	ELECTRO 10UF 35WV	YMX	
C146			CE04LW1H010M	ELECTRO 1.0UF 50WV	YMX	
C147			C91-0749-05	CERAMIC 220PF K	YMX	
C148,149			CK45FF1H103Z	CERAMIC 0.010UF Z	YMX	
C150,151			CK45FB1H102K	CERAMIC 1000PF K	YMX	
C152			CE04LW1V100M	ELECTRO 10UF 35WV	YMX	
C153			CE04LW1V4R7M	ELECTRO 4.7UF 35WV	YMX	
C154			CE04LW1H0R1M	ELECTRO 0.1UF 50WV	YMX	
C155			CK45FF1H103Z	CERAMIC 0.010UF Z		

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C157,158			CC45FSL1H101J	CERAMIC 100PF J		
J1	1N		E11-0209-05	PHONE JACK(PHONES)		
J3	2M	*	E11-0205-05	PHONE JACK(MIC)	YMX	
L1 ,2			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
L11 ,12			L40-2201-17	SMALL FIXED INDUCTOR(22UH,K)		
X1			L77-1176-05	CRYSTAL RESONATOR(4.19MHz)		
X2			L78-0244-05	RESONATOR(4MHz)		
R111			RD14NB2E330J	RD 33 J 1/4W		
R141,142			RS14KB3A561J	FL-PROOF RS 560 J 1W		
VR1	2N		R29-5046-05	POTENTIOMETER(100K)(VOLUME)		
VR2	3N	*	R05-5048-05	POTENTIOMETER(200K)(BALANCE)		
VR3	1M	*	R10-5053-05	POTENTIOMETER(100K)(MIC MIX)	YMX	
S1 -44	1L,1M		S40-1064-05	PUSH SWITCH		
D2			HZS3.3N(B2)	ZENER DIODE		
D2			RD3.3ES(B2)	ZENER DIODE		
D3			HSS104	DIODE		
D3			1SS133	DIODE		
D4			HSS104	DIODE	YMX	
D4			1SS133	DIODE	YMX	
D5			HZS6.2N(B2)	ZENER DIODE		
D5			RD6.2ES(B2)	ZENER DIODE		
D6 -12			HSS104	DIODE		
D6 -12			1SS133	DIODE		
D13			HZS8.2N(B2)	ZENER DIODE		
D13			RD8.2ES(B2)	ZENER DIODE		
D14 -27			HSS104	DIODE		
D14 -27			1SS133	DIODE		
D41 -44			HSS104	DIODE	YMX	
D41 -44			1SS133	DIODE	YMX	
D51 ,52			HSS104	DIODE		
D51 ,52			1SS133	DIODE		
ED1	1L		FIP10HM6	FLURESCENT INDICATOR TUBE		
ED2	1L	*	BJ023GK	FLURESCENT INDICATOR TUBE		
IC1		*	UPD75212ACW-A20	IC(MICROPROCESSOR)		
IC2		*	M50940-345SP	IC(MICROPROCESSOR)		
IC3		*	MSC7112-01	IC(DISPLAY CONTROLLER)		
IC4			UPA80C	IC(7CH TRANSISTOR ARRAY)		
IC5			XR-1091DCP	IC(GE DISPLAY FILTER)		
IC6			PST529C	IC(SYSTEM RESET)		
IC11			TA8409S	IC(MOTOR CONTROL)		
IC12			NJM4558D-A	IC(OP AMP X2)	YMX	
Q2			2SC1740S(Q,R)	TRANSISTOR		
Q2			2SC2785(F,E)	TRANSISTOR		
Q3 -5			DTA124ES	DIGITAL TRANSISTOR		
Q3 -5			UN4112	TRANSISTOR		
Q6 -8			DTC124ES	DIGITAL TRANSISTOR		
Q6 -8			UN4212	TRANSISTOR		
Q10			2SA1175(F,E)	TRANSISTOR		
Q10			2SA933S(Q,R)	TRANSISTOR		
Q11 ,12			2SC2878(A,B)	TRANSISTOR		
Q15 -17			2SC1740S(Q,R)	TRANSISTOR	YMX	
Q15 -17			2SC2785(F,E)	TRANSISTOR	YMX	

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A1	1M		W02-0975-05	ELECTRIC CIRCUIT MODULE		
OPERATION UNIT (X25-4722-70)						
D8 -20			B30-1291-05	LED		
S1 -43	2N,3N		S40-1064-05	PUSH SWITCH		
D1 -7			HSS104A	DIODE		
D1 -7			1SS131	DIODE		
D21 -39			HSS104A	DIODE		
D21 -39			1SS131	DIODE		
ED1	3N		FIP9BPM7	FLURESCENT INDICATOR TUBE		
Q1 -5			2SA954(L,K)	TRANSISTOR		
RECORD/PLAYBACK, TUNER UNIT (X28-2422-70)						
C1 -4			CK45FF1H223Z	CERAMIC 0.022UF Z		
C5			CE04LW1C470M	ELECTRO 47UF 16WV		
C6			CK45FF1H223Z	CERAMIC 0.022UF Z		
C8			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C9			CC45FSL1H101J	CERAMIC 100PF J		
C10			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C11			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C12			CK45FF1H103Z	CERAMIC 0.010UF Z		
C13			CQ92FM1H153J	MYLAR 0.015UF J		
C14 ,15			CK45FF1H223Z	CERAMIC 0.022UF Z		
C16			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C17			CK45FF1H223Z	CERAMIC 0.022UF Z		
C18			CE04LW1V100M	ELECTRO 10UF 35WV		
C19			CK45FF1H223Z	CERAMIC 0.022UF Z		
C20			CE04LW1V470M	ELECTRO 47UF 35WV		
C21			CE04LW1C101M	ELECTRO 100UF 16WV		
C27 ,28			CQ92FM1H133J	MYLAR 0.013UF J	ET	
C27 ,28			CQ92FM1H153J	MYLAR 0.015UF J	YMX	
C29 ,30			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C35			CK45FB1H471K	CERAMIC 470PF K	ET	
C36			CQ92FM1H152J	MYLAR 1500PF J	ET	
C37			CQ92FM1H132J	MYLAR 1300PF J	ET	
C38			CC45FSL1H121J	CERAMIC 120PF J	ET	
C39			CC45FSL1H271J	CERAMIC 270PF J	ET	
C41 ,42			CC45FCH1H220J	CERAMIC 22PF J		
C43			CC45FSL1H101J	CERAMIC 100PF J		
C45			CC45FSL1H101J	CERAMIC 100PF J		
C46 ,47			CK45FF1H223Z	CERAMIC 0.022UF Z		
C48			CF92FV1H273J	MF 0.027UF J		
C49			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C50			CE04LW1C470M	ELECTRO 47UF 16WV		
C51			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C52			CE04LW1C470M	ELECTRO 47UF 16WV		
C55			CK45FF1H223Z	CERAMIC 0.022UF Z		
C56			CC45FSL1H220J	CERAMIC 22PF J		
C62 -64			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C65			CE04LW1HR22M	ELECTRO 0.22UF 50WV		
C66			CE04LW1V100M	ELECTRO 10UF 35WV		
C67 ,68			CC45FSL1H101J	CERAMIC 100PF J	YMX	
C67 ,68			CC45FSL1H121J	CERAMIC 120PF J	ET	
C69			CE04LW1V100M	ELECTRO 10UF 35WV		

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C70			CK45FB1H561K	CERAMIC	560PF	K		
C71			CQ92FM1H103J	MYLAR	0.010UF	J		
C106			CE04LW1C470M	ELECTRO	47UF	16WV		
C107			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C108			CK45FF1H223Z	CERAMIC	0.022UF	Z	ET	
C109,110			C91-0085-05	CERAMIC	0.022UF	N	ET	
C111-113			CK45FF1H223Z	CERAMIC	0.022UF	Z	ET	
C114			C91-0085-05	CERAMIC	0.022UF	N	ET	
C135,136			CQ92FM1H682J	MYLAR	6800PF	J	YM	
C170			CC45FSL1H101J	CERAMIC	100PF	J	ET	
C171			C91-0737-05	CERAMIC	47PF	J	ET	
⚠ C200			C91-1439-05	FILM	0.01uF	250VAC		
C203,204			CC45FSL1H221J	CERAMIC	220PF	J		
C205			CE04LW1V100M	ELECTRO	10UF	35WV		
C206			CE04LW1A101M	ELECTRO	100UF	10WV		
C207			CE04LW1H0R1M	ELECTRO	0.1UF	50WV		
C208,209			CE04LW1A101M	ELECTRO	100UF	10WV		
C210			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C211			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C231,232			CC45FSL1H101J	CERAMIC	100PF	J		
C233,234			CK45FB1H561K	CERAMIC	560PF	K		
C235,236			CE04LW1C220M	ELECTRO	22UF	16WV		
C237-240			CK45FB1H391K	CERAMIC	390PF	K		
C241,242			CQ92FM1H103J	MYLAR	0.010UF	J		
C243,244			CE04LW1V100M	ELECTRO	10UF	35WV		
C245,246			CF92FV1H823J	MF	0.082UF	J		
C247			CE04LW1A101M	ELECTRO	100UF	10WV		
C248			CE04LW1C470M	ELECTRO	47UF	16WV		
C249,250			CK45FB1H332K	CERAMIC	3300PF	K		
C251,252			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C253,254			CE04LW1HR22M	ELECTRO	0.22UF	50WV		
C255,256			CE04LW1V100M	ELECTRO	10UF	35WV		
C257			CE04LW1C101M	ELECTRO	100UF	16WV		
C258			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C259			CE04LW1C220M	ELECTRO	22UF	16WV		
C260,261			CE04LW1H3R3M	ELECTRO	3.3UF	50WV		
C262,263			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C264,265			CE04LW1HR22M	ELECTRO	0.22UF	50WV		
C266,267			CE04LW1A101M	ELECTRO	100UF	10WV		
C268,269			CE04LW1V100M	ELECTRO	10UF	35WV		
C270			CE04LW1C331M	ELECTRO	330UF	16WV		
C272			CE04LW1V100M	ELECTRO	10UF	35WV		
C273			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C274			CQ92FM1H392J	MYLAR	3900PF	J		
C275			CQ92FM1H682J	MYLAR	6800PF	J		
C276			CQ92FM1H392J	MYLAR	3900PF	J		
C277			CE04LW1C470M	ELECTRO	47UF	16WV		
C278,279			CC45FSL1H221J	CERAMIC	220PF	J		
C280			CQ93HP2A103J	MYLAR	0.010UF	J		
C281,282			CK45FB1H391K	CERAMIC	390PF	K		
C283			CE04LW1C470M	ELECTRO	47UF	16WV		
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		
C285			CK45FB2H471K	CERAMIC	470PF	K		
C287,288			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C289,290		×	CK45FB1H132K	CERAMIC	1300PF	K		

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C291,292			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C293,294			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C295,296			CE04LW1V100M	ELECTRO	10UF	35WV		
C297,298			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C299,300			CE04LW1V100M	ELECTRO	10UF	35WV		
C301,302			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C303			CC45FSL1H221J	CERAMIC	220PF	J		
C304			CE04LW1V100M	ELECTRO	10UF	35WV		
C305			CE04LW1C101M	ELECTRO	100UF	16WV		
C306			CK45FB1H332K	CERAMIC	3300PF	K		
C307			CF92FV1H104J	MF	0.10UF	J		
C308			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C309			CC45FSL1H221J	CERAMIC	220PF	J		
C310			CE04LW1V100M	ELECTRO	10UF	35WV		
C311			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C312-314			CE04LW1V100M	ELECTRO	10UF	35WV		
C315			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C316			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C317			CE04LW1A101M	ELECTRO	100UF	10WV		
C318			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C319			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C320			CE04LW1V100M	ELECTRO	10UF	35WV		
C321			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
J1	2J		E20-0321-05	LOCK TERMINAL BOARD(ANTENNA)			ET	
J1	2J		E20-0476-05	LOCK TERMINAL BOARD(ANTENNA)			YMX	
⚠ F1			F05-1623-05	FUSE (SEMKO)	(250V T1.6A)		YM	
⚠ F1			F05-8013-05	FUSE (SEMKO)	(250V T800MA)		EXT	
⚠ F2			F05-1623-05	FUSE (SEMKO)	(250V T1.6A)		YM	
CN9 -12			J13-0075-05	FUSE CLIP			YM	
CN9 ,10			J13-0075-05	FUSE CLIP			EXT	
J10 -13			J11-0098-05	WIRE CLAMPER				
CF1 ,2			L72-0531-05	CERAMIC FILTER			YMX	
CF1 ,2			L72-0536-05	CERAMIC FILTER			ET	
CF3			L72-0096-05	CERAMIC FILTER				
L1			L30-0488-05	AM IFT				
L2			L30-0439-25	FM IFT(DISCRIMINATOR)				
L3			L40-1021-14	SMALL FIXED INDUCTOR(1.0mH,K)			ET	
L4			L40-5625-29	SMALL FIXED INDUCTOR(5.6mH,J)			ET	
L5			L40-6825-29	SMALL FIXED INDUCTOR(6.8mH,J)			ET	
L8			L40-1091-17	SMALL FIXED INDUCTOR(1UH)				
L104			L39-0189-05	COMBINATION COIL			YMX	
L104			L39-0195-05	COMBINATION COIL			ET	
L105			L39-0192-05	COMBINATION COIL			ET	
L106			L40-1091-17	SMALL FIXED INDUCTOR(1UH)				
L201,202			L79-0720-05	LC FILTER				
L203,204			L40-1035-29	SMALL FIXED INDUCTOR(10mH, J)				
L205			L32-0536-05	BIAS OSCILATING COIL				
⚠ L206			L79-0785-05	LINE FILTER				
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)				
X2			L78-0208-05	RESONATOR	(456KHZ)			
X11			L78-0209-05	RESONATOR	(4.194MHZ)			
E	2J		N89-3008-45	BINDING HEAD TAPTITE SCREW				
F	2J		N89-3008-46	BINDING HEAD TAPTITE SCREW				

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H	2J		N35-3010-46	BINDING HEAD MACHIN SCREW		
CP1			R90-0819-05	MULTI-COMP 47KX6 J 1/6W		
CP2			R90-0487-05	MULTI-COMP 47KX4 J 1/6W		
CP3			R90-0804-05	MULTI-COMP 47KX8 J 1/4W		
CP5			R90-0812-05	MULTI-COMP 10KX10 J 1/6W		
CP6			R90-0818-05	MULTI-COMP 47KX5 J 1/6W		
CP8			R90-0856-05	MULTI-COMP 10KX5 J 1/6W		
R8			RD14NB2E101J	RD 100 J 1/4W		
R21			RD14NB2E101J	RD 100 J 1/4W		
R37			RD14NB2E101J	RD 100 J 1/4W		
R53			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R111			RD14NB2E101J	RD 100 J 1/4W		
R224			RD14NB2E220J	RD 22 J 1/4W		
R228			RS14KB3D471J	FL-PROOF RS 470 J 2W		
R250			RD14NB2E391J	RD 390 J 1/4W		
R257			RD14NB2E221J	RD 220 J 1/4W		
R276			RD14NB2E101J	RD 100 J 1/4W		
R318			RD14NB2E100J	RD 10 J 1/4W		
R324,325			RD14NB2E3R3J	RD 3.3 J 1/4W		
R328			RD14NB2E471J	RD 470 J 1/4W		
R353			RD14NB2E471J	RD 470 J 1/4W		
VR1			R12-3687-05	TRIMMING POT(33K)(FM T-LEVEL)		
VR3			R12-3685-05	TRIMMING POT(10K)(AM T-LEVEL)		
VR5			R12-6663-05	TRIMMING POT(330K)(SEPARATION)		
VR11-14			R12-3686-05	TRIMMING POT(22K)(PB LEVEL)		
VR17,18			R12-5071-05	TRIMMING POT(220K)(BIAS CURR.)		
VR19			R12-3685-05	TRIMMING POT(10K)(TAPE SP.N)		
VR20			R12-1619-05	TRIMMING POT(4.7K)(TAPE SP.H)		
VR21			R12-3685-05	TRIMMING POT(10K)(TAPE SP.N)		
VR22			R12-1619-05	TRIMMING POT(4.7K)(TAPE SP.H)		
⚠ S1	2J		S62-0001-05	SLIDE SWITCH(120V-240V)	Y	
⚠ S2	2J		S31-2322-05	SLIDE SWITCH(120V-220V-240V)	M	
S101	1J		S31-2132-05	SLIDE SWITCH(CH SPACE,DE-EM.)	YM	
S111	2J		S31-2132-05	SLIDE SWITCH(BEAT CANCEL)		
D1			HSS104	DIODE	ET	
D1			1SS133	DIODE	ET	
D3			HZS5.1S(B2)	ZENER DIODE		
D3			RD5.1JS(B2)	ZENER DIODE		
D109,110			HSS104	DIODE	ET	
D109,110			1SS133	DIODE	ET	
D111,112			HSS104	DIODE		
D111,112			1SS133	DIODE		
D113-116			HSS104		ET	
D113-116			1SS133		ET	
D201			HZS6.2N(B2)	ZENER DIODE		
D201			RD6.2ES(B2)	ZENER DIODE		
D202			HSS104	DIODE		
D202			1SS133	DIODE		
D203			HZS3.9N(B2)	ZENER DIODE		
D203			RD3.9ES(B2)	ZENER DIODE		
D204			HZS6.8N(B2)	ZENER DIODE		
D204			RD6.8ES(B2)	ZENER DIODE		
D205			HSS104	DIODE		
D205			1SS133	DIODE		

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D206			HZS8.2S(B2)	ZENER DIODE		
D206			RD8.2JS(B2)	ZENER DIODE		
D207-210			HSS104	DIODE		
D207-210			1SS133	DIODE		
D211			HZS5.1S(B2)	ZENER DIODE		
D211			RD5.1JS(B2)	ZENER DIODE		
D212-220			HSS104	DIODE		
D212-220			1SS133	DIODE		
D221,222			S5688B	DIODE		
D221,222			1SR139-100	DIODE		
D223-227			HSS104	DIODE		
D223-227			1SS133	DIODE		
D228,229			S5688B	DIODE		
D228,229			1SR139-100	DIODE		
D230-238			HSS104	DIODE		
D230-238			1SS133	DIODE		
D240			HSS104	DIODE		
D240			1SS133	DIODE		
IC1			LA1265	IC(FM/AM TUNER)		
IC2			LA3401	IC(FM MPX)		
IC3			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
IC14			LA3246	IC(PREAMP X2)		
IC15			HA12136A	IC(DOLBY B NR SYSTEM)		
IC16			CXA1198AP	IC(CASSETTE DECK REC EQUALIZER		
IC17			UPC1330HA	IC(2CH HEAD SWITCHING)		
IC18			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC19			NJM4565D	IC(OP AMP X2)		
IC19			RC4565D	IC(OP AMP X2)		
IC20		*	UPD75112CW-149	IC(MICROPROCESSOR)		
IC21			TC4051BP	IC(8CH MPX/ DE-MPX)		
IC21			XRU4051B	IC(MULTIPLEXERS/DEMULTIPLEXERS		
Q1			2SC1923(R,O)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC2785(F,E)	TRANSISTOR		
Q4			2SC1740S(Q,R)	TRANSISTOR	ET	
Q4			2SC2785(F,E)	TRANSISTOR	ET	
Q5			2SK163(L,M)	FET	ET	
Q5			2SK364(GR,BL)	FET	ET	
Q7			2SC1740S(Q,R)	TRANSISTOR		
Q7			2SC2785(F,E)	TRANSISTOR		
Q102			2SA1175(F,E)	TRANSISTOR		
Q102			2SA933S(Q,R)	TRANSISTOR		
Q103			2SA1175(F,E)	TRANSISTOR	ET	
Q103			2SA933S(Q,R)	TRANSISTOR	ET	
Q104			2SA1175(F,E)	TRANSISTOR		
Q104			2SA933S(Q,R)	TRANSISTOR		
Q105,106			2SC1740S(Q,R)	TRANSISTOR	ET	
Q105,106			2SC2785(F,E)	TRANSISTOR	ET	
Q107,108			2SC1740S(Q,R)	TRANSISTOR	YM	
Q107,108			2SC2785(F,E)	TRANSISTOR	YM	
Q110,111			2SD1302(S,T)	TRANSISTOR		
Q201-208			2SC1740S(Q,R)	TRANSISTOR		
Q201-208			2SC2785(F,E)	TRANSISTOR		
Q209-212			DTC143TS	DIGITAL TRANSISTOR		

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q209-212		*	RN1210	TRANSISTOR		
Q213,214			DTC124ES	DIGITAL TRANSISTOR		
Q213,214			RN1203	TRANSISTOR		
Q215,216			DTC143TS	DIGITAL TRANSISTOR		
Q215,216		*	RN1210	TRANSISTOR		
Q217			2SC1740S(Q,R)	TRANSISTOR		
Q217			2SC2785(F,E)	TRANSISTOR		
Q218,219			2SD1302	TRANSISTOR		
Q220			DTA124ES	DIGITAL TRANSISTOR		
Q220			RN2203	TRANSISTOR		
Q223,224			2SC1740S(Q,R)	TRANSISTOR		
Q223,224			2SC2785(F,E)	TRANSISTOR		
Q225			DTA124ES	DIGITAL TRANSISTOR		
Q225			RN2203	TRANSISTOR		
Q227			2SD1266(Q,P)	TRANSISTOR		
Q228			2SC1740S(Q,R)	TRANSISTOR		
Q228			2SC2785(F,E)	TRANSISTOR		
Q229-232			DTC124ES	DIGITAL TRANSISTOR		
Q229-232			RN1203	TRANSISTOR		
Q233			2SC1740S(Q,R)	TRANSISTOR		
Q233			2SC2785(F,E)	TRANSISTOR		
Q234			2SC2003(L,K)	TRANSISTOR		
Q235,236			2SC1740S(Q,R)	TRANSISTOR		
Q235,236			2SC2785(F,E)	TRANSISTOR		
Q237,238			2SC1845(F,E)	TRANSISTOR		
Q239			2SA992(F,E)	TRANSISTOR		
Q240-244			2SC1740S(Q,R)	TRANSISTOR		
Q240-244			2SC2785(F,E)	TRANSISTOR		
Q245,246			2SA1175(F,E)	TRANSISTOR		
Q245,246			2SA933S(Q,R)	TRANSISTOR		
Q247			DTC124ES	DIGITAL TRANSISTOR		
Q247			RN1203	TRANSISTOR		
Q248,249			2SC3246	TRANSISTOR		
Q250			2SC1740S(Q,R)	TRANSISTOR		
Q250			2SC2785(F,E)	TRANSISTOR		
Q251			2SA1175(F,E)	TRANSISTOR		
Q251			2SA933S(Q,R)	TRANSISTOR		
Q252			DTC124ES	DIGITAL TRANSISTOR		
Q252			RN1203	TRANSISTOR		
Q253,254			2SC3246	TRANSISTOR		
Q255			2SC1740S(Q,R)	TRANSISTOR		
Q255			2SC2785(F,E)	TRANSISTOR		
DT1	2J		W02-1041-15	FM FRONT-END ASSY	ET	
DT1	2J		W02-1042-15	FM FRONT-END ASSY	YMX	
CD PLAYER UNIT (X32-2172-70)						
C1			CE04LW1A101M	ELECTRO 100UF 10WV		
C2			CE04LW1A470M	ELECTRO 47UF 10WV		
C3			CK45FB1H102K	CERAMIC 1000PF K		
C4			CC45FSL1H330J	CERAMIC 33PF J		
C5			CF92FV1H332J	MF 3300PF J		
C6			CF92FV1H333J	MF 0.033UF J		
C7			CF92FV1H103J	MF 0.010UF J		
C8			CF92FV1H102J	MF 1000PF J		
C9 ,10			CE04LW1A101M	ELECTRO 100UF 10WV		

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C11			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C12			CF92FV1H123J	MF 0.012UF J		
C13			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C14			CF92FV1H223J	MF 0.022UF J		
C15			CE04LW1V100M	ELECTRO 10UF 35WV		
C16			CE04HW1A470M	NP-ELEC 47UF 10WV		
C17			CF92FV1H472J	MF 4700PF J		
C18			CC45FSL1H181J	CERAMIC 180PF J		
C19 ,20			CF92FV1H363J	MF 0.036UF J		
C21			CF92FV1H224J	MF 0.22UF J		
C22			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C23			CF92FV1H124J	MF 0.12UF J		
C24			CK45FB1H561K	CERAMIC 560PF K		
C25			CF92FV1H753J	MF 0.075UF J		
C26			CF92FV1H394J	MF 0.39UF J		
C27			CK45FB1H122K	CERAMIC 1200PF K		
C28			CE04HW1E100M	NP-ELEC 10UF 25WV		
C29			CF92FV1H103J	MF 0.010UF J		
C30			CE04LW1C470M	ELECTRO 47UF 16WV		
C31			CF92FV1H103J	MF 0.010UF J		
C32			CE04LW1C470M	ELECTRO 47UF 16WV		
C33 ,34			CK45FB1H102K	CERAMIC 1000PF K		
C35			CF92FV1H103J	MF 0.010UF J		
C36			CE04LW1A101M	ELECTRO 100UF 10WV		
C37			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C38			CE04LW1V101M	ELECTRO 100UF 35WV		
C39			CC45FSL1H820J	CERAMIC 82PF J		
C40			CC45FUJ1H330J	CERAMIC 33PF J		
C41			CC45FUJ1H070D	CERAMIC 7.0PF D		
C42 ,43			CK45FB1H222K	CERAMIC 2200PF K		
C44			CF92FV1H124J	MF 0.12UF J		
C45			CC45FSL1H101J	CERAMIC 100PF J		
C46			CK45FF1H103Z	CERAMIC 0.010UF Z		
C47 ,48			CE04LW1A470M	ELECTRO 47UF 10WV		
C49			CK45FF1H103Z	CERAMIC 0.010UF Z		
C50			CK45FB1H222K	CERAMIC 2200PF K		
C51			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C52			CF92FV1H333J	MF 0.033UF J		
C53			CE04LW1A470M	ELECTRO 47UF 10WV		
C54			CF92FV1H473J	MF 0.047UF J		
C55			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C56			CE04LW1V101M	ELECTRO 100UF 35WV		
C57			CE04LW1A470M	ELECTRO 47UF 10WV		
C58 ,59			CK45FF1H223Z	CERAMIC 0.022UF Z		
C60			CE04LW1V101M	ELECTRO 100UF 35WV		
C61			CF92FV1H224J	MF 0.22UF J		
C67 ,68			CE04HW1E100M	NP-ELEC 10UF 25WV		
C69			CE04HW1H0R1M	NP-ELEC 0.1UF 50WV		
C70 ,71			CE04LW0J221M	ELECTRO 220UF 6.3WV		
C72 ,73			CE04LW1A470M	ELECTRO 47UF 10WV		
C74			CK45FF1H103Z	CERAMIC 0.010UF Z		
C75			CE04HW1H010M	NP-ELEC 1.0UF 50WV		
C76			CK45FB1H102K	CERAMIC 1000PF K		
C77 ,78			CC45FCH1H470J	CERAMIC 47PF J		
C79			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		

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C80			CE04LW1C222M	ELECTRO 2200UF 16WV		
C81			CE04LW1C102M	ELECTRO 1000UF 16WV		
C82 ,83			CC45FSL1H150J	CERAMIC 15PF J		
C84			CE04HW1E100M	NP-ELEC 10UF 25WV		
C85			CK45FF1H103Z	CERAMIC 0.010UF Z		
C87 ,88			CC45FSL1H221J	CERAMIC 220PF J		
C89			CK45FF1H103Z	CERAMIC 0.010UF Z		
C99 -101			CK45FF1H103Z	CERAMIC 0.010UF Z		
L1			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L2			L32-0355-05	OSCILATING COIL		
L3 ,4			L40-2291-17	SMALL FIXED INDUCTOR(2.2UH)		
X1			L78-0267-05	RESONATOR(4.19MHz)		
X2			L77-1164-05	CRYSTAL RESONATOR(16.9344MHz)		
E	3J		N89-3008-45	BINDING HEAD TAPTITE SCREW		
J	2J		N30-3006-46	PAN HEAD MACHIN SCREW		
R47			RD14GB2E4R7J	FL-PROOF RD 4.7 J 1/4W		
R124			R92-0219-05	FUSE RESIST 10 G 1/4W		
VR1 ,2			R12-3128-05	TRIMMING POT(22K)(TE,FE-BAL)		
VR3 ,4			R12-3126-05	TRIMMING POT(10K)(FUS,TRK-GAIN		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D3			1SV147	VARISTOR		
D4			HSS104	DIODE		
D4			1SS133	DIODE		
D5			HZS2.7N(B2)	ZENER DIODE		
D5			RD2.7ES(B2)	ZENER DIODE		
D6 -9			HZS5.1S(B2)	ZENER DIODE		
D6 -9			RD5.1JS(B2)	ZENER DIODE		
D11 ,12			HSS104	DIODE		
D11 ,12			1SS133	DIODE		
D15			HZS5.1S(B2)	ZENER DIODE		
D15			RD5.1JS(B2)	ZENER DIODE		
D16 -20			S5566B	DIODE		
D21			HZS6.8N(B2)	ZENER DIODE		
D21			RD6.8ES(B2)	ZENER DIODE		
IC1			CXA1081S	IC(RF AMP)		
IC2			CXA1244S	IC(SERVO SIGNAL PROCESSOR)		
IC3			CXD1167Q	IC(DIGITAL SIGNAL PROCESSOR)		
IC5			TC4066BP	IC(ANALOG/ DIGITAL SW)		
IC6			BA10393	IC(DUAL COMPALATOR)		
IC7 ,8			NJM4558D	IC(OP AMP X2)		
IC10		*	TA2009P	IC(L.P.F.)		
IC11		*	TC9237BN	IC(D/A CONVERTER)		
IC13,14			NJM4558D	IC(OP AMP X2)		
IC15			UPD75212ACW-157	IC(MICROPROCESSOR)		
Q1			2SA1534A	TRANSISTOR		
Q2			2SA1175(F,E)	TRANSISTOR		
Q2			2SA933S(Q,R)	TRANSISTOR		
Q3			DTC124ES	DIGITAL TRANSISTOR		
Q3			UN4212	TRANSISTOR		
Q4			2SC1740S(Q,R)	TRANSISTOR		
Q4			2SC2785(F,E)	TRANSISTOR		
Q5			2SD1266	TRANSISTOR		
Q6 ,7			2SA1534A	TRANSISTOR		

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16

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q8			2SC3940A	TRANSISTOR		
Q9			STA341M	TRANSISTOR		
Q10			2SK246(Y,GR)	FET		
Q17 ,18			2SC2878(B)	TRANSISTOR		
Q19			2SD1944(J,K)	TRANSISTOR		
Q20			2SA1534A	TRANSISTOR		
Q21			DTC124ES	DIGITAL TRANSISTOR		
Q21			UN4212	TRANSISTOR		
Q22			DTA124ES	DIGITAL TRANSISTOR		
Q22			UN4112	TRANSISTOR		
Q23			2SC3940A	TRANSISTOR		
CD MECHANISM ASS'Y (JAPAN MADE : X92-1371-11)						
1	1A		A10-2563-01	CHASSIS	M	
4	2B		A11-0623-08	SUB CHASSIS	M	
DM	3B		A11-0675-08	SUB CHASSIS ASSY(DISC MOTOR)	M	
8	2B		B09-0098-08	CAP	M	
14	1B		D10-2324-03	SLIDER	M	
15	3B		D10-2325-04	ROD	M	
16	1B		D13-0807-04	GEAR(INTERMEDIATE)	M	
17	1B		D13-0808-02	GEAR(MAIN)	M	
18	3B		D13-0809-04	GEAR(MOTOR)	M	
19	3B		D13-0810-04	GEAR(INTERMEDIATE)	M	
20	3B		D13-0811-04	GEAR(FEED)	M	
21	1B		D13-0813-04	GEAR(PULLEY)	M	
22	2B		D15-0296-04	MOTOR PULLEY	M	
23	1B		D16-0282-04	BELT	M	
27	1B		E23-0343-04	TERMINAL(SHORT)	M	
28	2B		E35-0262-05	WIRING HARNESS(WHITE,RED)	M	
29	2B	*	E35-0291-15	WIRING HARNESS(WHITE,BLUE)	M	S
30	2B		E31-7449-05	WIRING HARNESS(5P)	M	
31	3B		E31-7450-05	WIRING HARNESS(4P)	M	
35	1B		F19-1005-04	BLIND PLATE	M	
38	2B		G01-2385-08	COMPRESSION SPRING(GREEN)	M	
39	2B		G01-3314-08	COMPRESSION SPRING	M	
40	1B		G02-0965-04	FLAT SPRING(L)	M	
41	1B		G02-0927-04	FLAT SPRING(R)	M	
42	2A		G16-0739-04	SHEET	M	
43	2A		G16-0744-04	SHEET	M	
45	1B		G02-0945-14	FLAT SPRING ASSY	M	
47	2B		J02-1033-05	INSULATOR	M	
48	1B		J11-0173-23	CLAMPER	M	
51	2A		J99-0065-11	TRAY	M	
52	2A		J99-0067-13	TRAY ASSY	M	
A	1A		N35-2605-46	BINDING HEAD MACHIN SCREW	M	
B	1A		N09-1522-05	SET SCREW (3X8)	M	
C	1A		N39-2025-46	PAN HEAD MACHIN SCREW	M	
D	1A		N09-2705-05	MACHINE SCREW	M	
E	1A		N89-2610-46	BINDING HEAD TAPTITE SCREW	M	
F	1A		N19-1179-05	FLAT WASHER	M	
G	1A		N89-2608-46	BINDING HEAD TAPTITE SCREW	M	
55	3B		S33-1022-05	LEVER SWITCH(S1/LIMIT)	M	

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56	2B		S33-2061-05	LEVER SWITCH(S2/OPEN,CLOSE)	M	
63	2B		T50-1036-14	YOKE	M	
64	2B		T99-0233-05	MAGNET	M	
FM	3B		T42-0532-05	FEED MOTOR	M	
LM	2B		T42-0530-05	LOADING MOTOR	M	
PU	3B		T25-0011-05	OPTICAL PICKUP HEAD(KSS-210A)	M	
CD MECHANISM ASS'Y (SINGAPORE MADE : X92-1401-11)						
101	1C		A10-2564-01	CHASSIS	EYMXT	S
104	3D		A11-0625-02	SUB CHASSIS	EYMXT	S
114	1D		D10-2324-03	SLIDER	EYMXT	
115	2D		D10-2315-04	ROD	EYMXT	
116	1D		D13-0807-04	GEAR(INTERMEDIATE)	EYMXT	
117	1D		D13-0808-02	GEAR(MAIN)	EYMXT	
119	2D		D13-0802-08	GEAR(A)	EYMXT	
120	2D		D13-0803-08	GEAR(B)	EYMXT	
121	1D		D13-0813-04	GEAR(PULLEY)	EYMXT	
122	2D		D15-0296-04	MOTOR PULLEY	EYMXT	
123	1D		D16-0284-03	BELT	EYMXT	S
124	2D		D40-0951-05	MECHANISM ASSY	EYMXT	
127	1D		E23-0343-04	TERMINAL(SHORT)	EYMXT	
128	2D		E35-0262-05	WIRING HARNESS(WHITE,RED)	EYMXT	
129	2D	*	E35-0291-05	WIRING HARNESS(WHTE,BLUE)	EYMXT	S
130	2D		E31-7453-05	WIRING HARNESS(5P)	EYMXT	S
131	3D		E40-0188-08	CONNECTOR PIN(4P)	EYMXT	
134	2D		F07-0554-08	GEAR COVER	EYMXT	
135	1D		F19-1015-24	BLIND PLATE	EYMXT	S
136	1D		G02-0945-14	FLAT SPRING ASSY	EYMXT	
138	3D		G01-2394-04	COMPRESSION SPRING(FRONT)	EYMXT	S
139	3D		G01-2395-04	COMPRESSION SPRING(REAR)	EYMXT	S
140	1D		G02-0967-04	FLAT SPRING(L)	EYMXT	S
141	1D		G02-0968-04	FLAT SPRING(R)	EYMXT	S
142	2C		G16-0743-04	SHEET	EYMXT	S
143	2C		G16-0745-04	SHEET	EYMXT	S
144	2D		J19-3148-08	SHAFT CLAMP	EYMXT	
145	3D		J25-6135-08	MOTOR PCB	EYMXT	
146	2D		J90-0640-08	SLIDER HOLDER(J)	EYMXT	
147	3D		J02-1027-15	INSULATOR	EYMXT	
148	2D		J11-0130-03	CLAMPER	EYMXT	
150	3D		J42-0175-04	BUSHING	EYMXT	S
151	2C		J99-0069-11	TRAY	EYMXT	S
152	2C		J99-0070-13	TRAY ASSY	EYMXT	S
A	1C		N35-2605-46	BINDING HEAD MACHIN SCREW	EYMXT	
B	1C		N09-1522-05	SET SCREW (3X8)	EYMXT	
C	1C		N39-2005-46	PAN HEAD MACHINE SCREW	EYMXT	
D	1C		N89-2608-46	BINDING HEAD TAPTITE SCREW	EYMXT	
E	1C		N09-2670-08	SCREW	EYMXT	
F	1C		N09-2671-08	SCREW	EYMXT	
G	1C		N89-2606-46	BINDING HEAD TAPTITE SCREW	EYMXT	
H	1C	*	N19-1217-04	FLAT WASHER	EYMXT	S
155	3D		S46-1126-08	LEAF SWITCH(S1/LIMIT)	EYMXT	
156	3D		S33-2061-05	LEVER SWITCH(S2/OPEN,CLOSE)	EYMXT	

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
163	2D	*	T50-1046-04	YOKE	EYMXT	S
164	2D		T99-0233-05	MAGNET	EYMXT	
DM	2D		T42-0528-08	DISC MOTOR	EYMXT	
FM	3D		T42-0527-08	FEED MOTOR	EYMXT	
LM	2D		T42-0530-05	LOADING MOTOR	EYMXT	
PU	2D		T25-0011-05	OPTICAL PICKUP HEAD(KSS-210A)	EYMXT	
DECK MECHANISM ASS'Y (A DECK JAPAN MADE : D40-1206-15, SINGAPORE MADE : D40-0993-15) (B DECK JAPAN MADE : D40-1207-15, SINGAPORE MADE : D40-0994-15)						
301	2A		A10-2922-08	HEAD CHASSIS CALKED ASSY		
302	1B		A11-0729-08	BASE CHASSIS ASSY		
305	1C		D01-0138-08	FLYWHEEL ASSY LEFT		
306	1C,2C		D01-0139-08	FLYWHEEL ASSY RIGHT		
308	2B		D10-3210-08	SHIFT LEVER		
309	2A		D10-3211-08	PLAY SHIFT LEVER		
310	2A		D10-3212-08	INTER LOCK LEVER		
311	1A	*	D10-3254-08	EJECT LEVER		B
311	2B	*	D10-3255-08	EJECT LEVER		A
312	1A,1B		D10-3214-08	FR ARM		
313	1A		D10-3215-08	PLAY ARM		
314	1C		D10-3216-08	SHIFT SELECT LEVER		
315	2B		D10-3217-08	TRIGGER ARM		
316	2B		D10-3218-08	SELECT ARM		
317	1B,1C		D10-3219-08	BRAKE ARM		
319	1B		D13-0965-08	CLUTCH GEAR		
320	1B		D13-0966-08	REW GEAR		
321	1B		D13-0967-08	FR GEAR		
322	1B,2B		D13-0968-08	REEL GEAR		
323	1A		D13-0974-08	PLAY GEAR ASSY		
324	2B,2C		D13-0970-08	PLAY CAM GEAR		
328	1C		D19-0273-08	CLUTCH PULLEY ASSY		
330	2B		D19-0270-08	REEL CAP		
332	2B		D23-0269-08	HOUSING ASSY RIGHT		
333	1A		D23-0270-08	HOUSING ASSY LEFT		
335	1C		E35-0264-08	MOTOR WIRE		
336	1C	*	E35-0356-08	FLAT WIRE 15P		A
336	1C	*	E35-0358-08	FLAT WIRE 15P		B
337	2C	*	E35-0357-08	HEAD WIRE 5P		A
337	2C	*	E35-0359-08	HEAD WIRE 5P		B
338	2A	*	F10-0863-08	SHIELDING PLATE		
340	2A		G01-3428-08	RETURN GEAR SPRING		
341	1B,2B		G01-3429-08	REEL SPRING		
342	1C		G01-3431-08	CLUTCH ARM SPRING		
343	1A		G01-3432-08	PLAY ARM SPRING		
344	1C		G01-3433-08	SHIFT SELECT LEVER SPRING		
345	2B,2C		G01-3434-08	TRIGGER ARM SPRING		
346	2B		G01-3435-08	SHIFT LEVER SPRING		
347	2A		G01-3436-08	HEAD CHASSIS SPRING		
348	2B		G01-3437-08	PINCH ROLLER ARM SPRING RIGHT		
349	1A,2A		G01-3438-08	PINCH ROLLER ARM SPRING LEFT		
350	1C		G01-3439-08	BRAKE ARM SPRING		
351	2A		G01-3440-08	INTER LOCK LEVER SPRING RIGHT		A
351	2A	*	G01-6441-08	INTER LOCK LEVER SPRING LEFT		B
352	1B		G02-0913-08	PACK LOCK FLAT SPRING		

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353	2A		G02-0994-08	AZIMUTH SPRING		
354	1B		G16-0780-08	REFLECT SEAL		
355	2B		G16-0786-08	SHEET		
356	2A		J21-5789-08	HEAD PLATE ASSY		
357	2A		J31-0850-08	RETURN GEAR COLLAR		
358	2B		J31-0851-08	EJECT LEVER COLLAR		
359	2B		J42-0183-08	REEL CAP BUSHING		
360	2A		J90-0679-08	TAPE GUIDE		
361	2A		J90-0680-08	TAPE GUIDE		
364	2A		N09-2883-08	AZIMUTH SCREW		
365	2B		N09-2870-08	SCREW M2.6X5		
366	1C,2B		N09-2871-08	SCREW M2X6		
367	2A		N09-2872-08	SCREW M1.7X8		
368	2A		N09-2873-08	SCREW /2X6		
369	2A		N09-2876-08	HEAD SCREW		
370	1B		N19-1224-08	FLAT WASHER /4.1X6.5X0.25		
371	1C,2C		N19-1225-08	FLAT WASHER /2.1X4.0X0.25		
372	1B		N19-1285-08	FLAT WASHER /1.6X3.0X0.13		
373	2C		N19-1286-08	FLAT WASHER /2.3X4.0X0.25		
374	2A		N19-1287-08	FLAT WASHER /3.5X6.5X0.5		
375	1B		N19-1288-08	FLAT WASHER /1.65X5.0X0.5		
376	2B		N19-1289-08	FLAT WASHER /1.8X6.0X0.5		
380	2A,2B		N09-2877-08	TAP TITE SCREW M2X4		
381	1B		N35-2604-46	BINDING HEAD MACHINE SCREW		
385	1C		S74-0006-08	LEAF SWITCH		
386	1C		S74-0007-08	LEAF SWITCH		
388	2B		T94-0226-08	SOLENOID ASSY		
390	1C		W02-1130-08	ELECTRIC UNIT		
BM	1C		D16-0326-08	BELT		
PF	2B		D14-0341-08	PINCH ROLLER ASSY		
PR	2A		D14-0340-08	PINCH ROLLER ASSY		
MM	1B,1C	*	T42-0610-08	DC MOTOR ASSY		
PH	2A		T31-0066-08	PLAYBACK HEAD		A
RPEH	2A		T39-0020-08	REC/PLAYBACK/ERACE HEAD		B
R3			RD14BB2C152J	RD 1.5K J 1/6W		
PH1	1C		NJL5165K	PHOTO REFLECTOR		

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RXD-26/26L

PARTS LIST

RXD-26/26L

SPECIFICATIONS

[Amplifier section]

M-26

Continuous power output
- DIN at 1kHz 8Ω ..... 35W + 35W
- IEC / NF at 8Ω ..... 35W + 35W

Total harmonic distortion at 1/2 rated power 0.09%

M-363

Continuous power output
- IHF 66 from 40Hz to 20kHz, 0.09% T.H.D at 6Ω ..... 35W + 35W
- EIAJ maximum useful power output at 6Ω ..... 50W + 50W

Total harmonic distortion at 1/2 rated power 0.09%

M-26 / M-363

Signal to noise ratio
- PHONO (MM) 66dB
- CD, TUNER, TAPE 88dB

Input sensitivity / Impedance
- PHONO (MM) ..... 2.5mV / 47k

[Graphic Equalizer section]

Graphic equalizer controls ..... ±10dB
- 60Hz, 150Hz, 400Hz, 1kHz, 2.4kHz 6kHz, 15kHz

[Tuner section]

M-26

• FM section

Tuning frequency range ..... 87.5~108MHz
Usable sensitivity (DIN at 75Ω) 0.8mV
Total harmonic distortion (at 1kHz, 65.2dBf input)
- MONO 40kHz DEV 1kHz 0.3%

Signal to noise ratio (DIN weighted at 1kHz, 65.2dBf input)
- MONO 70dB

Stereo separation (at 1kHz) 40dB
Frequency response ..... (30Hz to 15kHz) +0.5dB –2.5dB

• MW section

Tuning frequency range ..... 531~1,602kHz
Usable sensitivity 14mV (500mV/m)

• LW section

Tuning frequency range ..... 531~1,602kHz
Usable sensitivity 14mV (500mV/m)

M-363

• FM section

Tuning frequency range ..... 87.5~108MHz
Usable sensitivity (IHF at 300Ω) ..... 1.8mV / 10.2dBf
Total harmonic distortion (at 1kHz, 65.2dBf input)
- MONO 0.3%

Signal to noise ratio (at 1kHz, 65.2dBf input)
- MONO 78dB

Stereo separation (at 1kHz) 40dB
Frequency response ..... (30Hz to 15kHz) +0.5dB, –3.5dB

• AM section

Tuning frequency range
- 9kHz step ..... 531~1,602kHz
- 10kHz step ..... 530~1,610kHz

Usable sensitivity ..... 14mV / (500mV/m)

[Cassette Deck section]

Type ..... 4track 2channel stereo
Heads
- Playback/Record head (Deck B) 1
- Playback head (Deck A) 1
- Erasing head (Deck B) 1

Motors ..... 1 (each deck)
Fast winding time (Deck A) ..... Approx. 100 seconds with C-60 tape
Frequency response (Deck B)
- Normal tape ..... 30Hz to 16,000Hz, ±3dB
- CrO_2 tape ..... 30Hz to 17,000Hz, ±3dB

Signal to noise ratio
- DOLBY NR ON ..... 64dB (Normal tape)
- DOLBY NR OFF ..... 54dB (Normal tape)

Wow & Flutter ..... 0.08% (W.R.M.S.)

[CD player section]

Rotational speed ..... about 200 to 500rpm (CLV)
D/A conversion format ..... 16bit linear
Over sampling 2fs (88.2kHz)
Signal to noise ratio (EIAJ) ..... More than 90dB
Dynamic range (EIAJ) ..... More than 90dB

[General]

Power consumption (IEC) 150W
Dimension ..... W : 360mm (14-3/16")
H : 451mm (17-3/4")
D : 312mm (12-5/16")
Weight (net) 10kg (22.0lb)

Note :
Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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